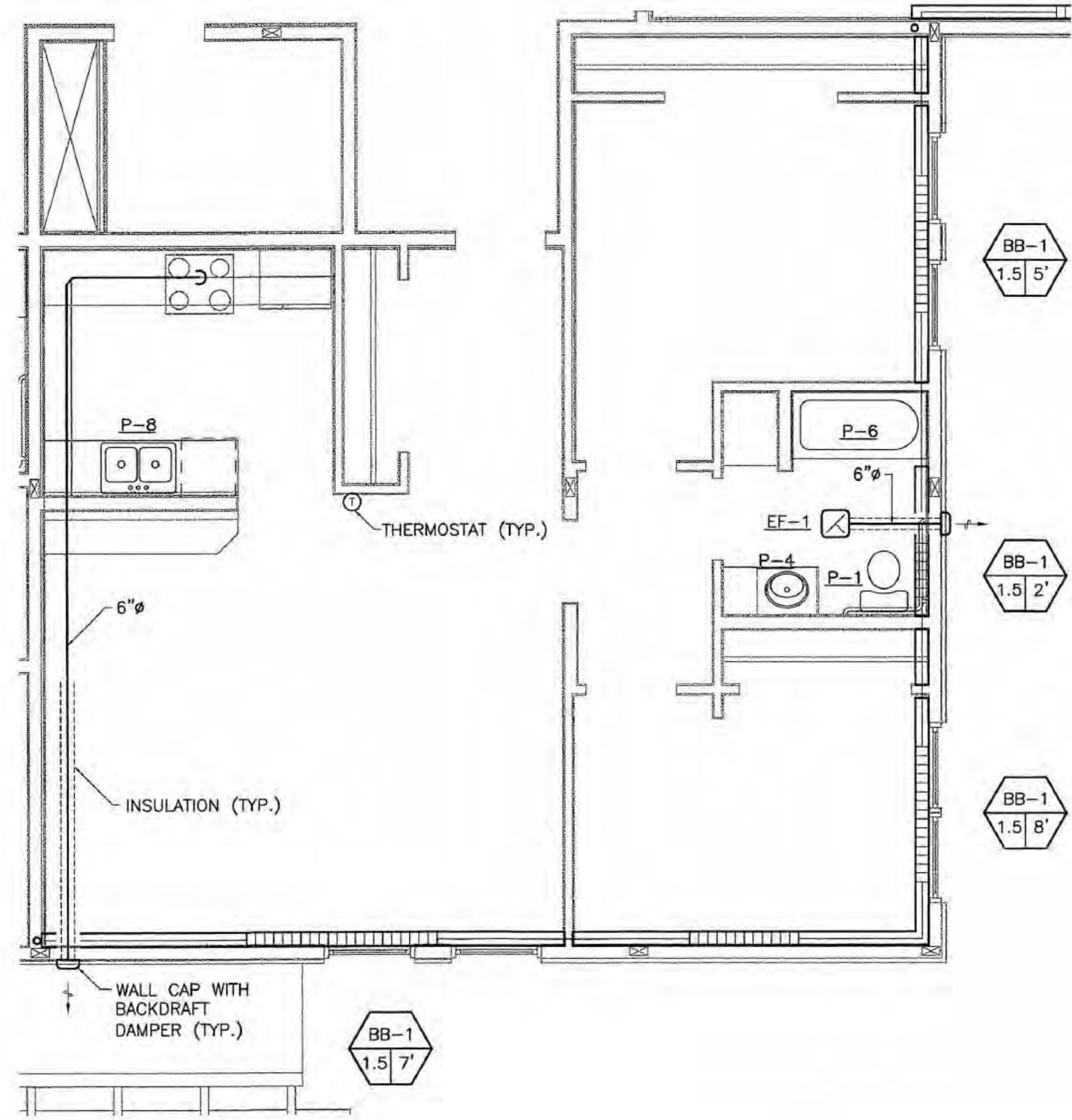
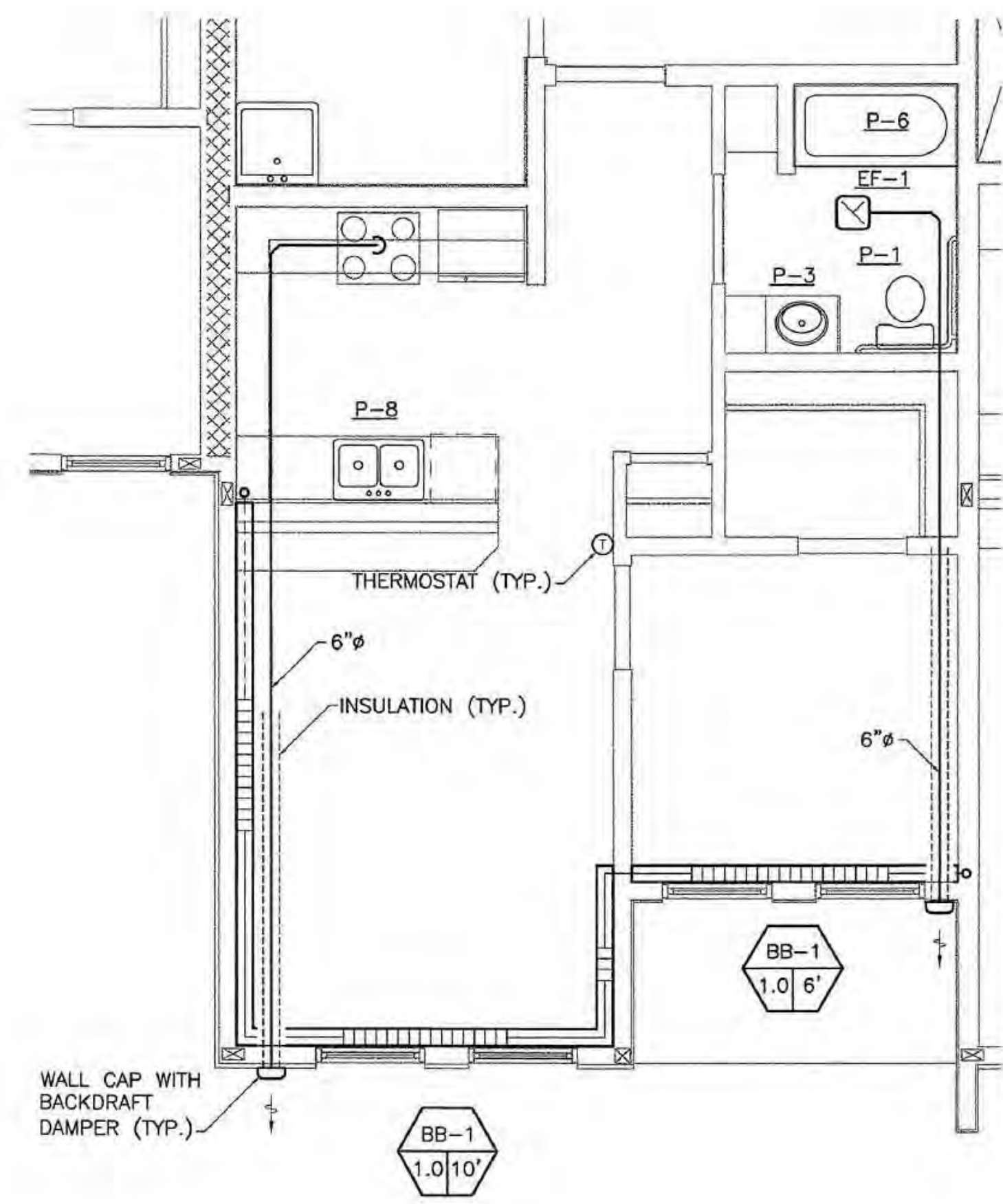


SHEET NOTES

1. REFER TO PLUMBING DIAGRAMS ON SHEETS M6.1 THROUGH M6.5 FOR ADDITIONAL PIPING REQUIREMENTS.
2. PROVIDE ANGLE STOPS OR INTEGRAL STOPS AT ALL PLUMBING FIXTURES.
3. FIRESTOP ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND SHAFTS. COORDINATE WITH ARCHITECTURAL.
4. EXHAUST TERMINATION SHALL BE 3' MINIMUM FROM ANY BUILDING OPENING.



1 TYPICAL UNIT G
M5.3 SCALE: 1/4" = 1'-0"



2 TYPICAL UNIT H
M5.3 SCALE: 1/4" = 1'-0"

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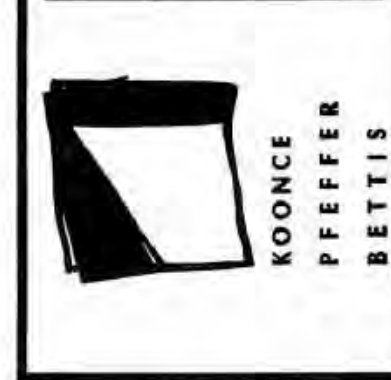
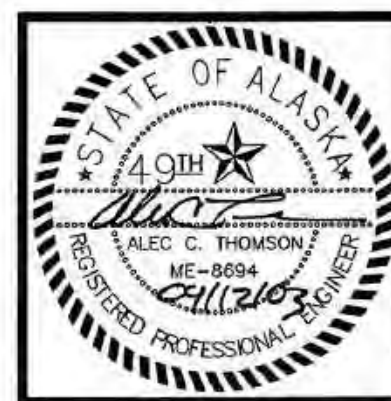
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TYPICAL UNIT PLANS

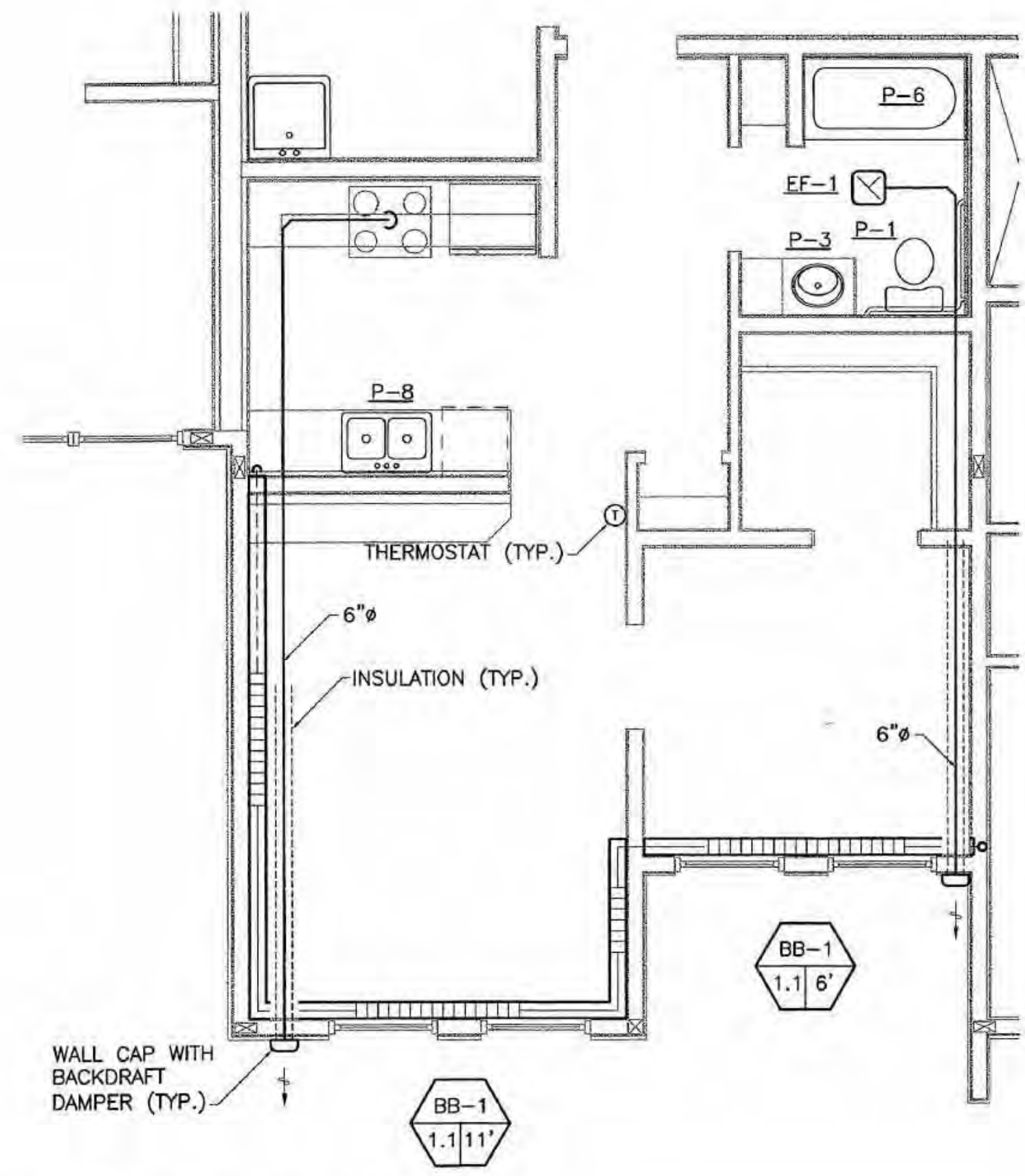
SHEET NO.
M5.3

SHEET NOTES

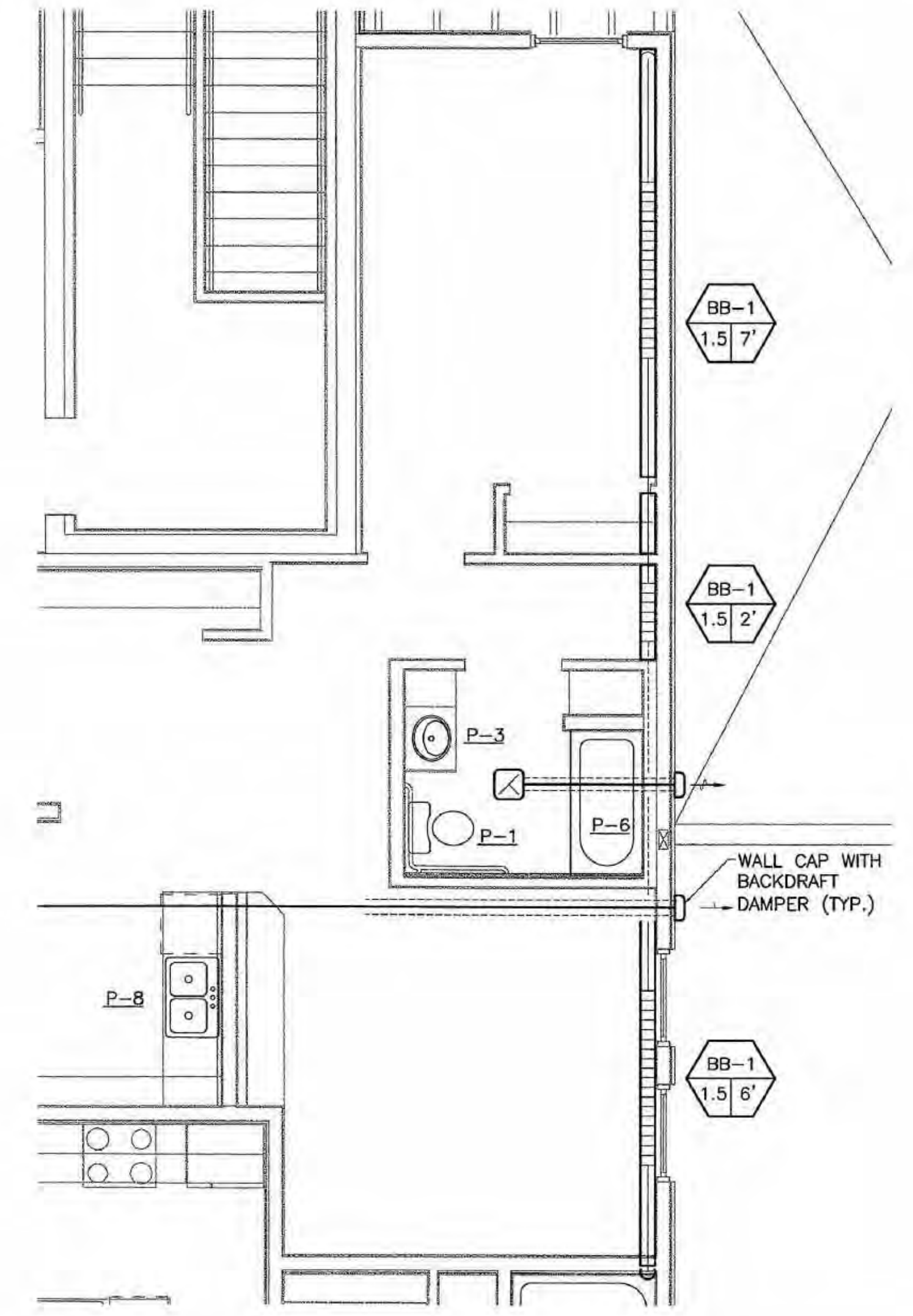
1. REFER TO PLUMBING DIAGRAMS ON SHEETS M6.1 THROUGH M6.5 FOR ADDITIONAL PIPING REQUIREMENTS.
2. PROVIDE ANGLE STOPS OR INTEGRAL STOPS AT ALL PLUMBING FIXTURES.
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1 TYPICAL UNIT J
M5.4 SCALE: 1/4" = 1'-0"



2 TYPICAL UNIT K
M5.4 SCALE: 1/4" = 1'-0"

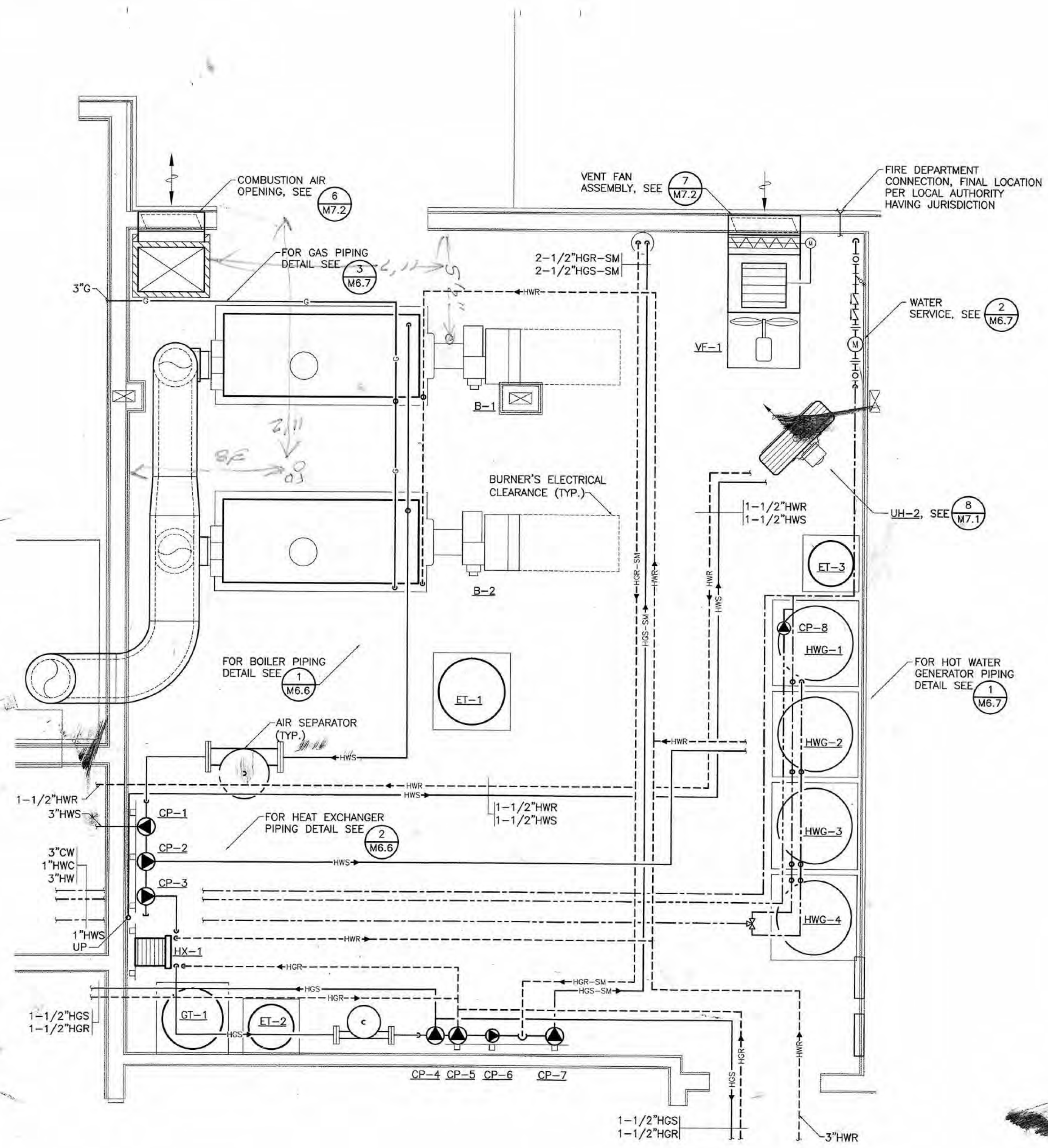
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TYPICAL UNIT PLANS

SHEET NO.
M5.4



1 BOILER ROOM PLAN
M5.5 SCALE: 1/2" = 1'-0"



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ENLARGED PLANS

SHEET NO.
M5.5

SHEET NOTES

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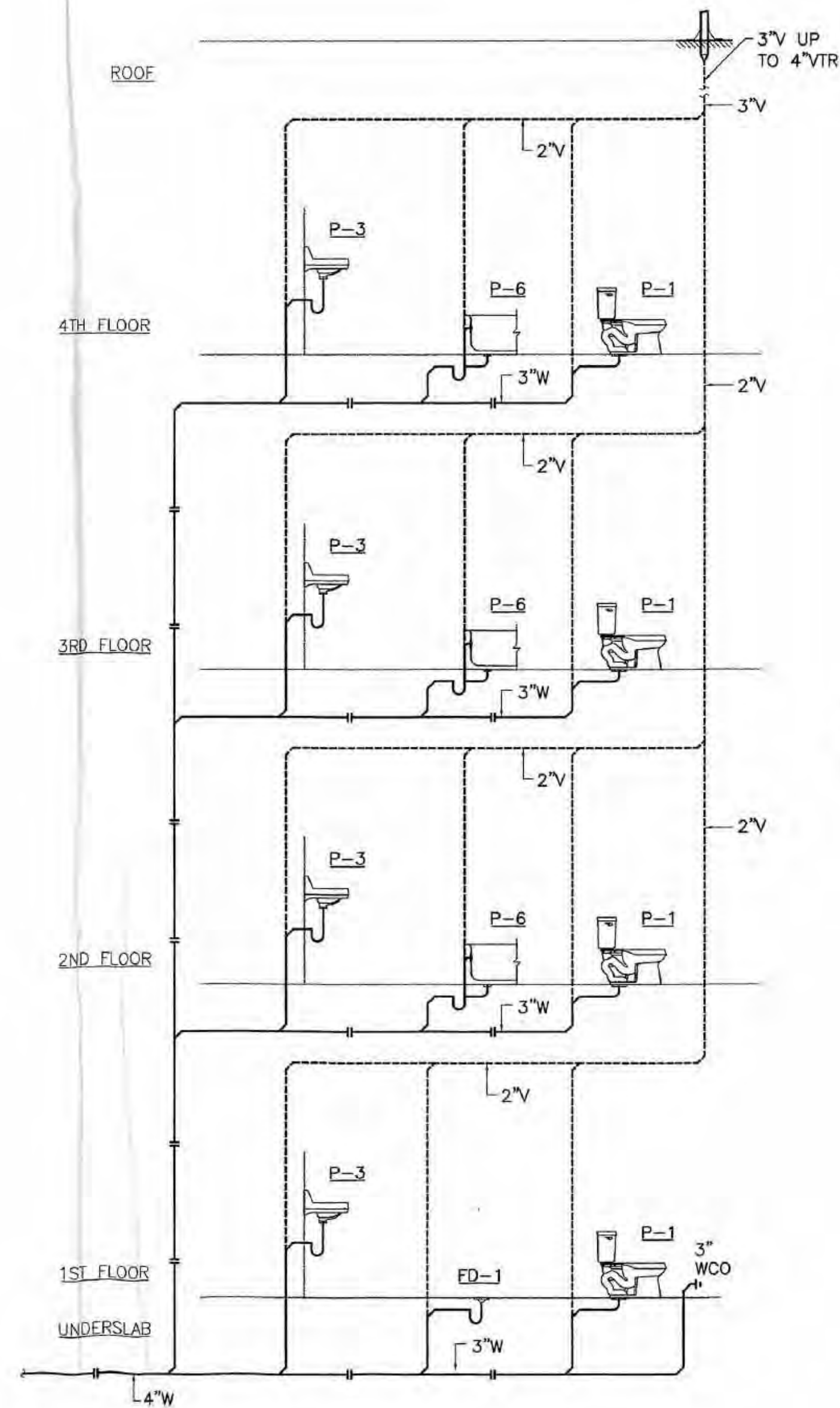
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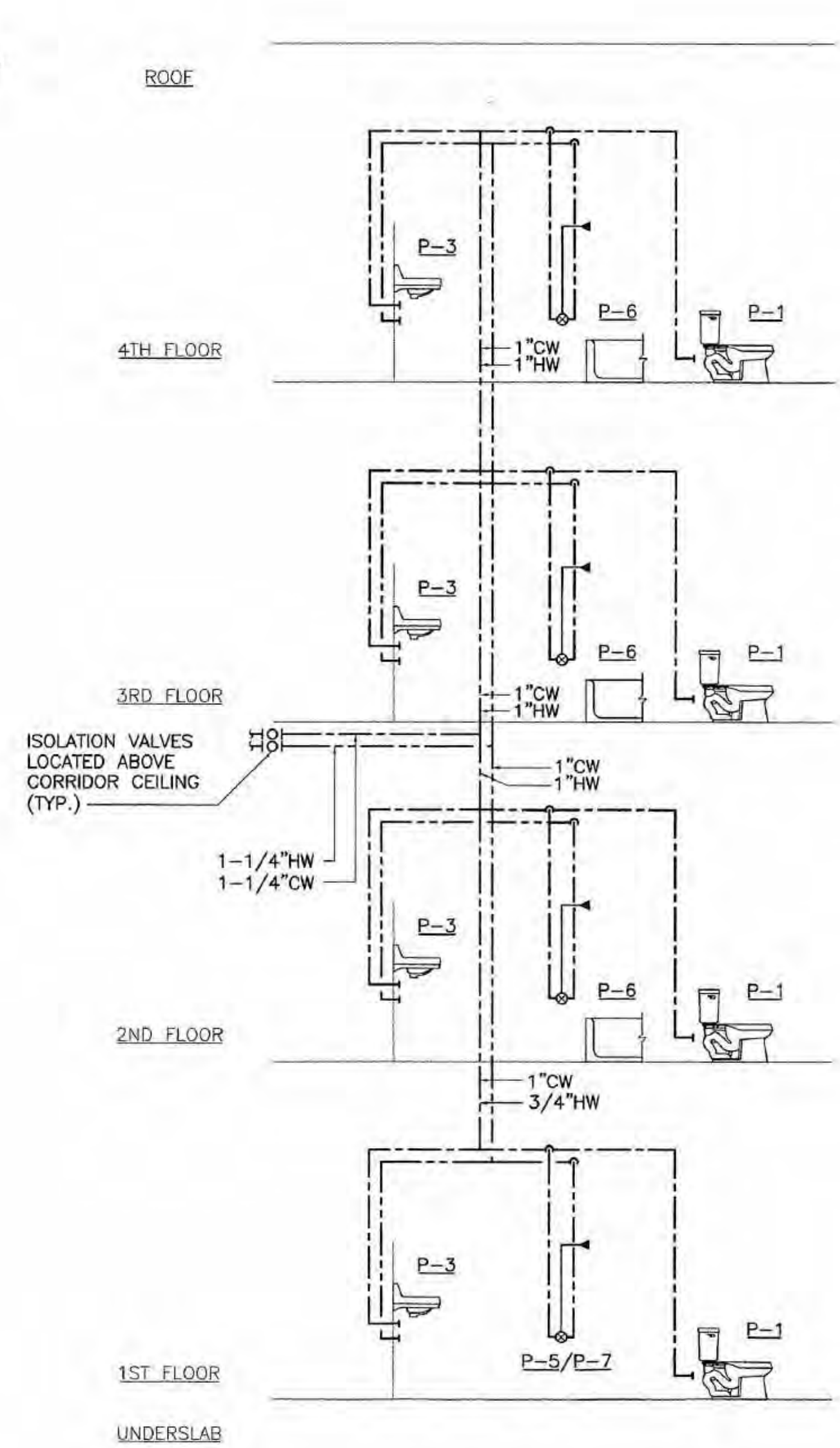
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PLUMBING
 DIAGRAMS

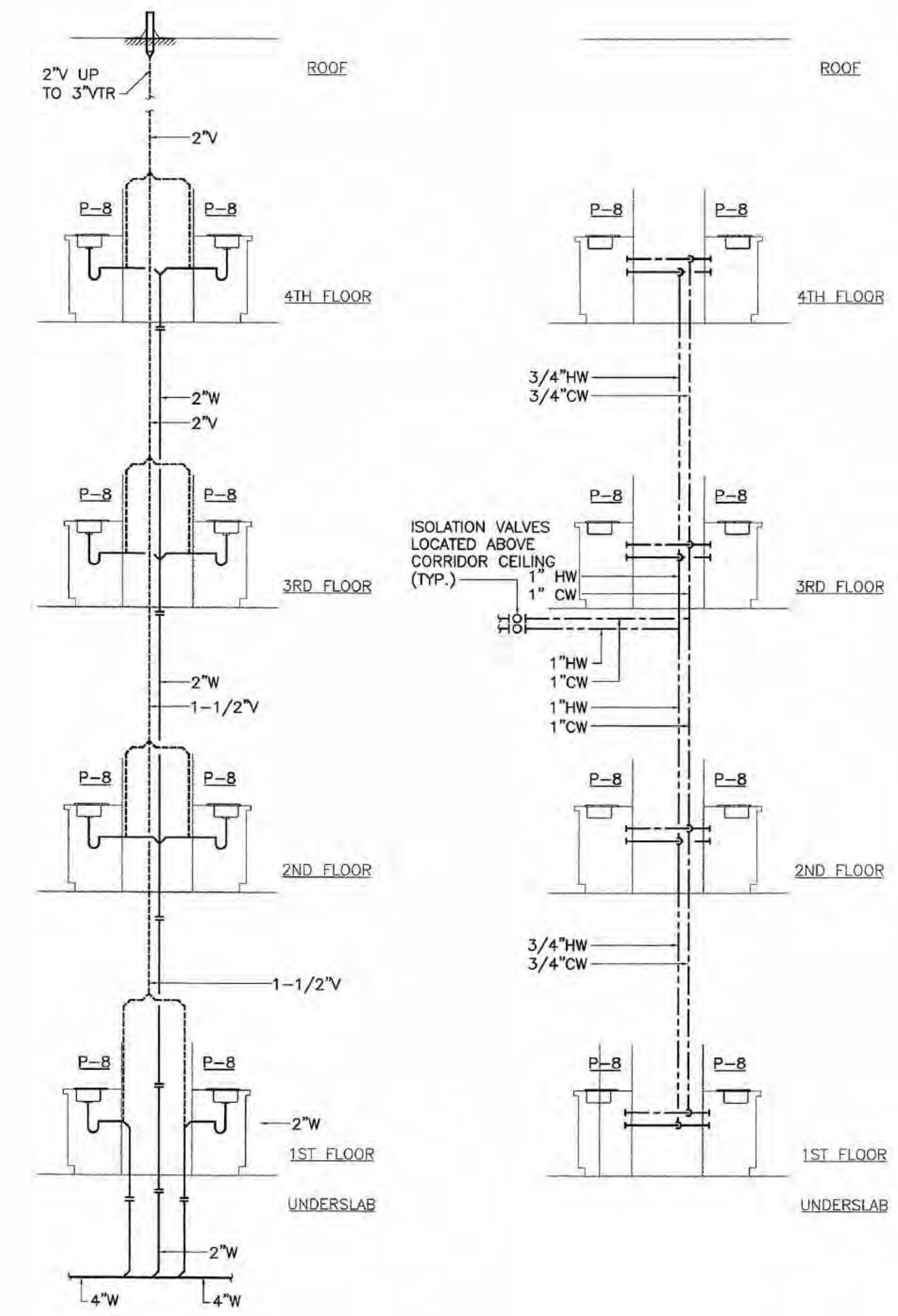
SHEET NO.
M6.1



1 PLUMBING RISER DIAGRAM
 M6.1 SCALE: NO SCALE



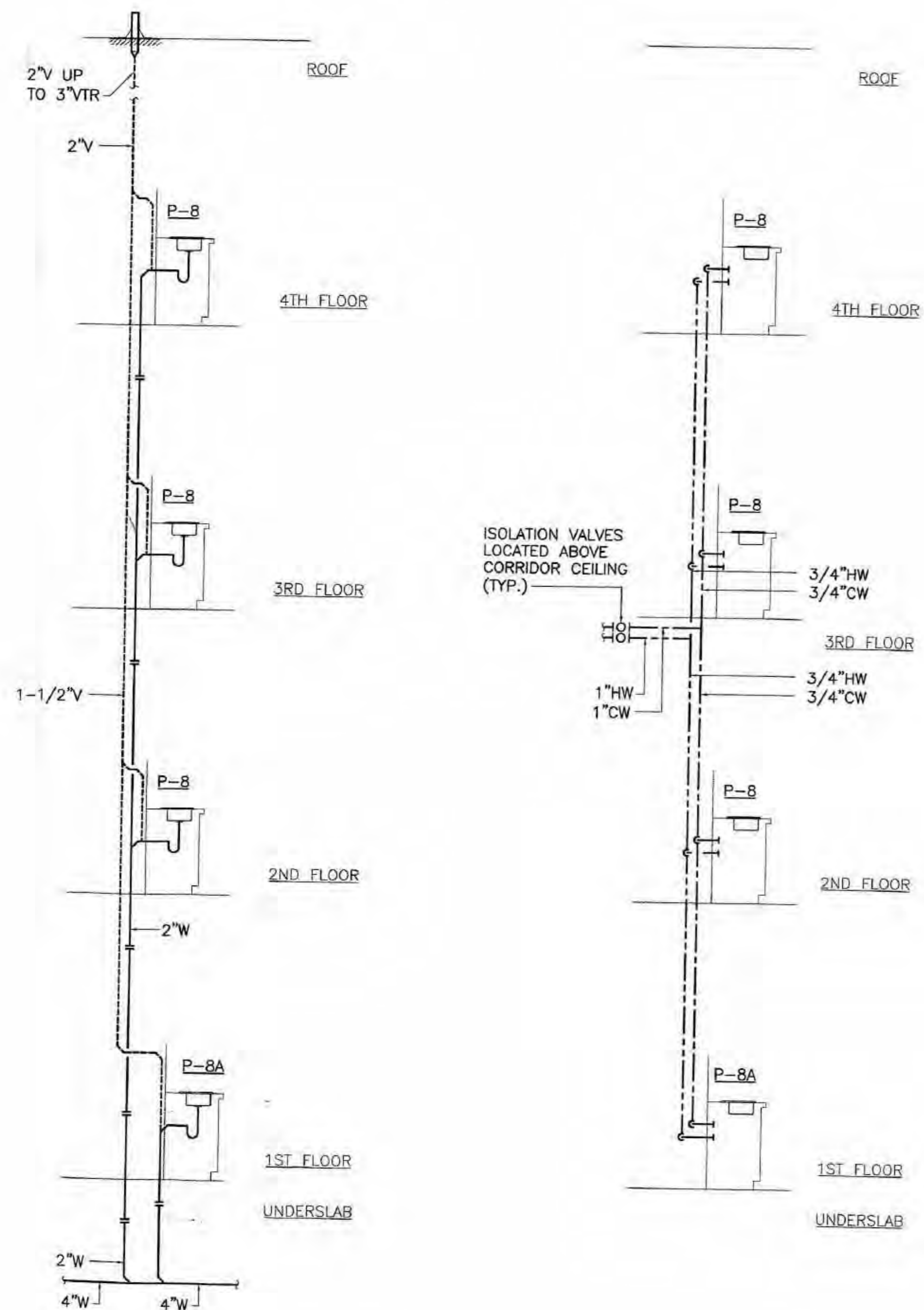
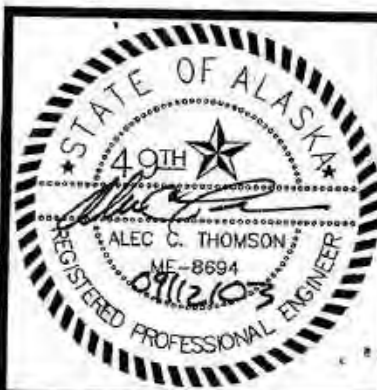
2 PLUMBING RISER DIAGRAM
 M6.1 SCALE: NO SCALE



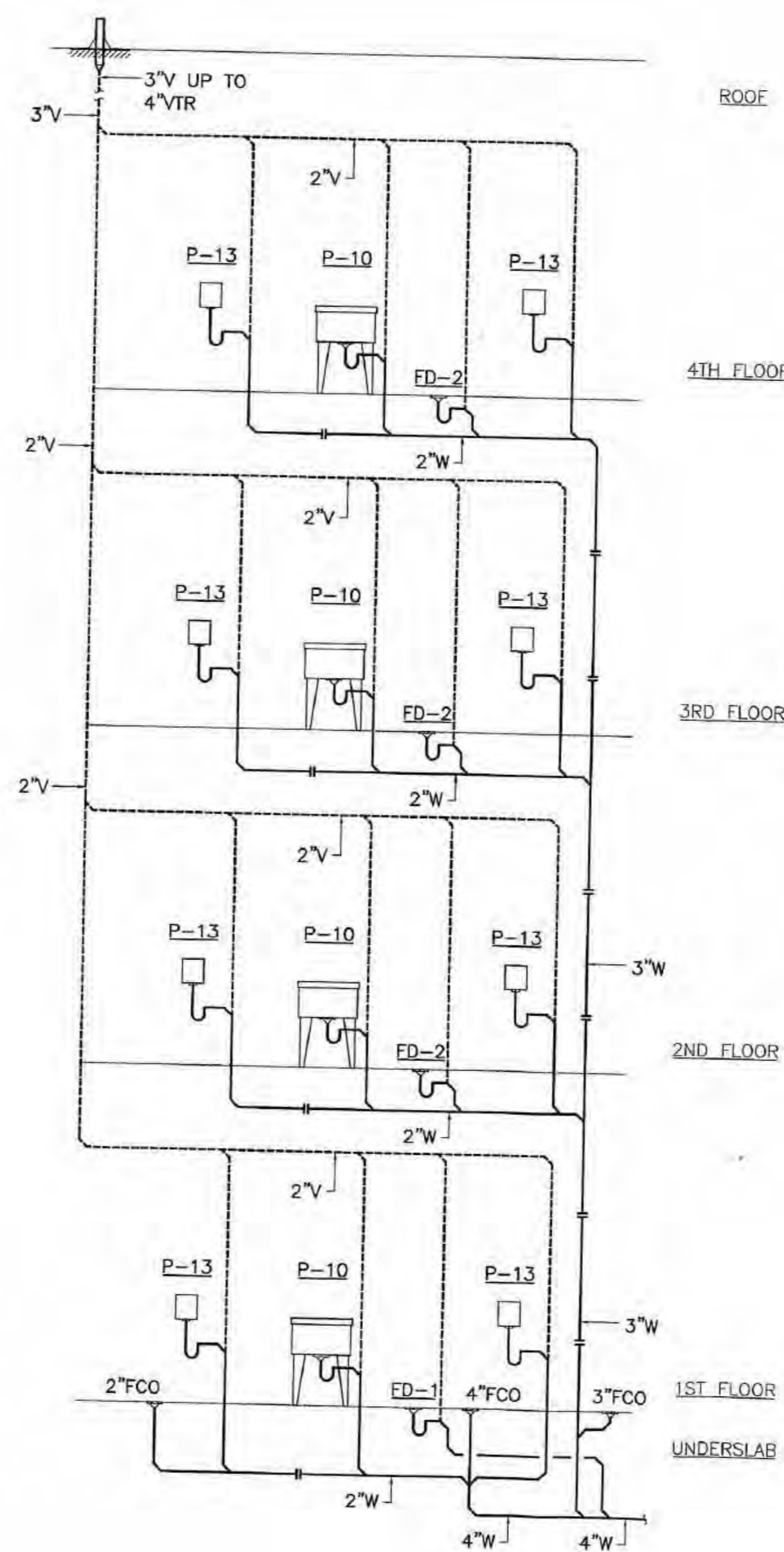
2 PLUMBING RISER DIAGRAM
 M6.1 SCALE: NO SCALE

SHEET NOTES

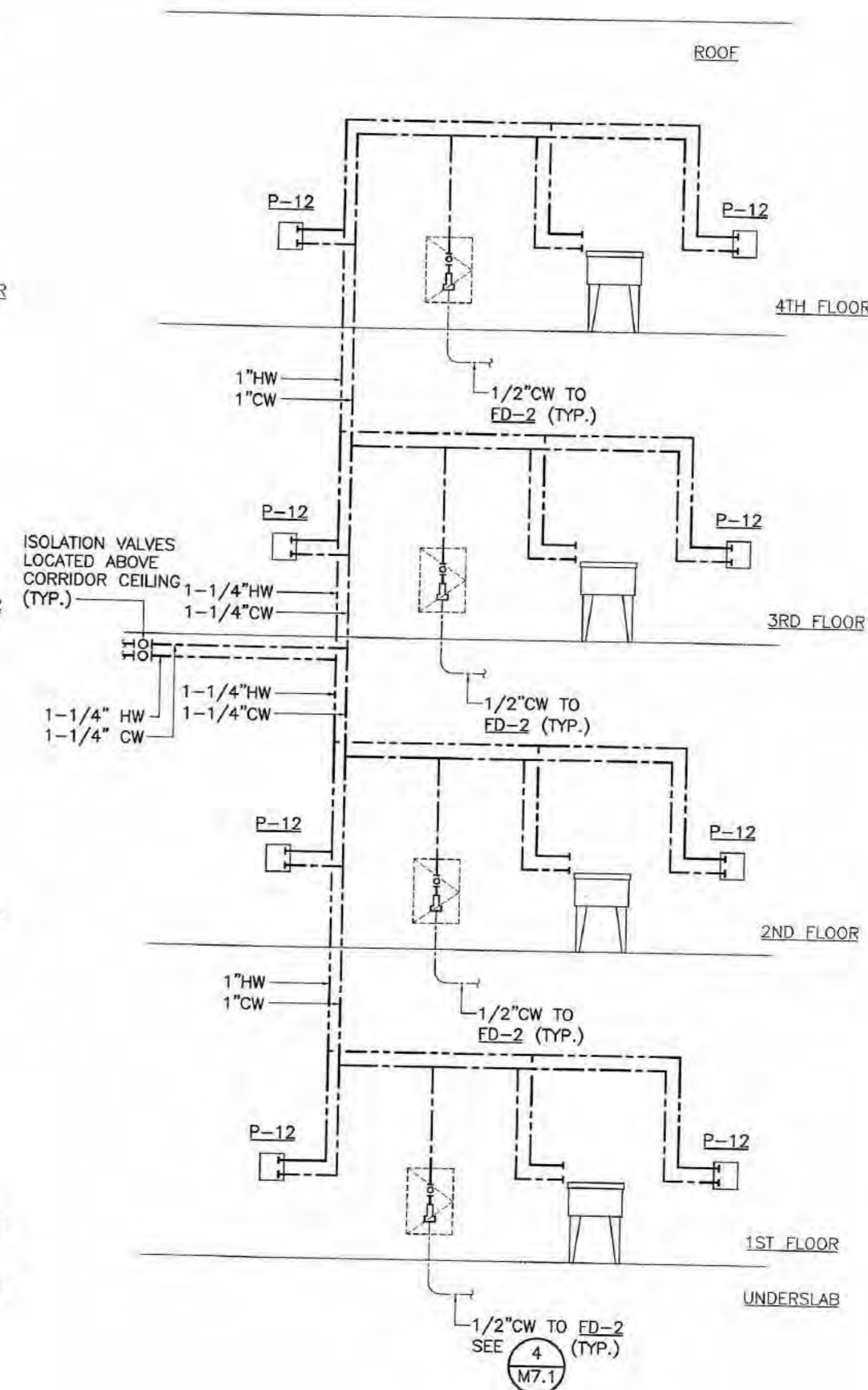
- BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURE SCHEDULE UNLESS OTHERWISE INDICATED.
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1 PLUMBING RISER DIAGRAM
M6.2 SCALE: NO SCALE



2 PLUMBING RISER DIAGRAM
M6.2 SCALE: NO SCALE



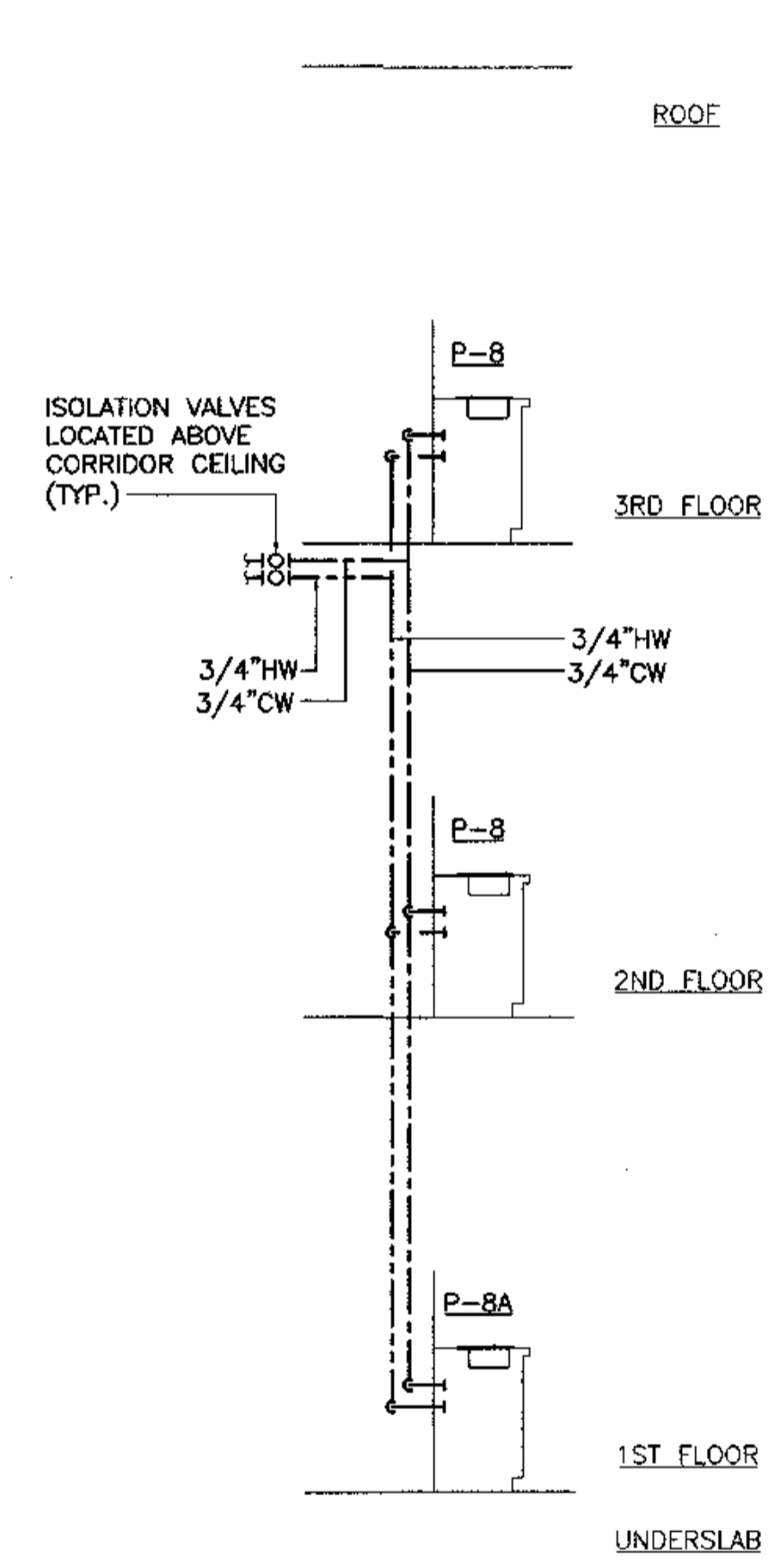
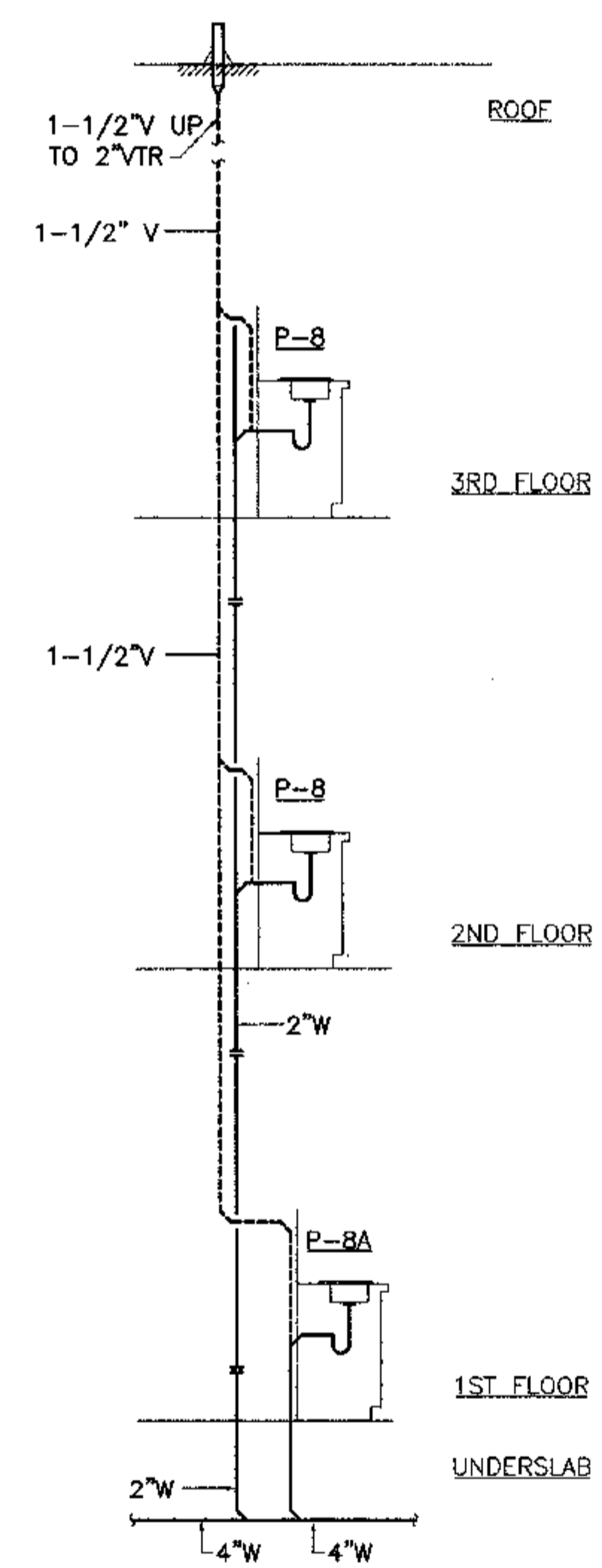
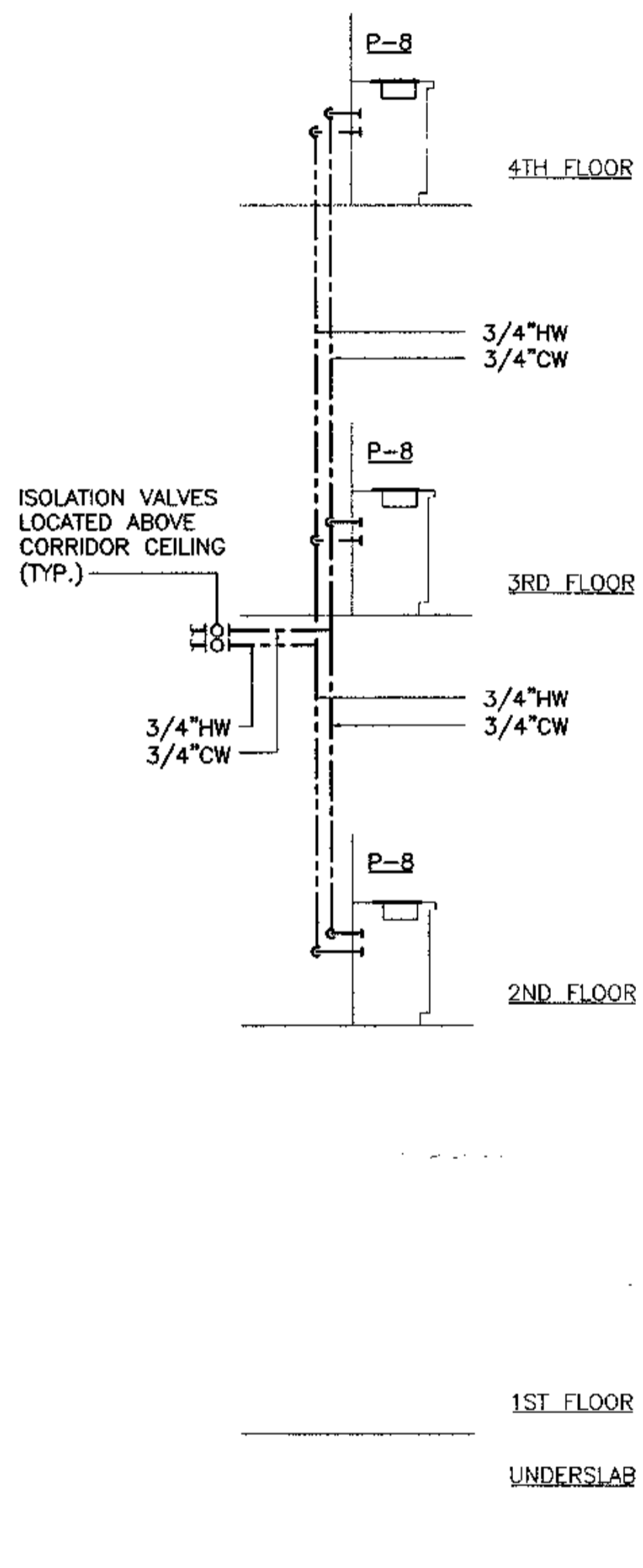
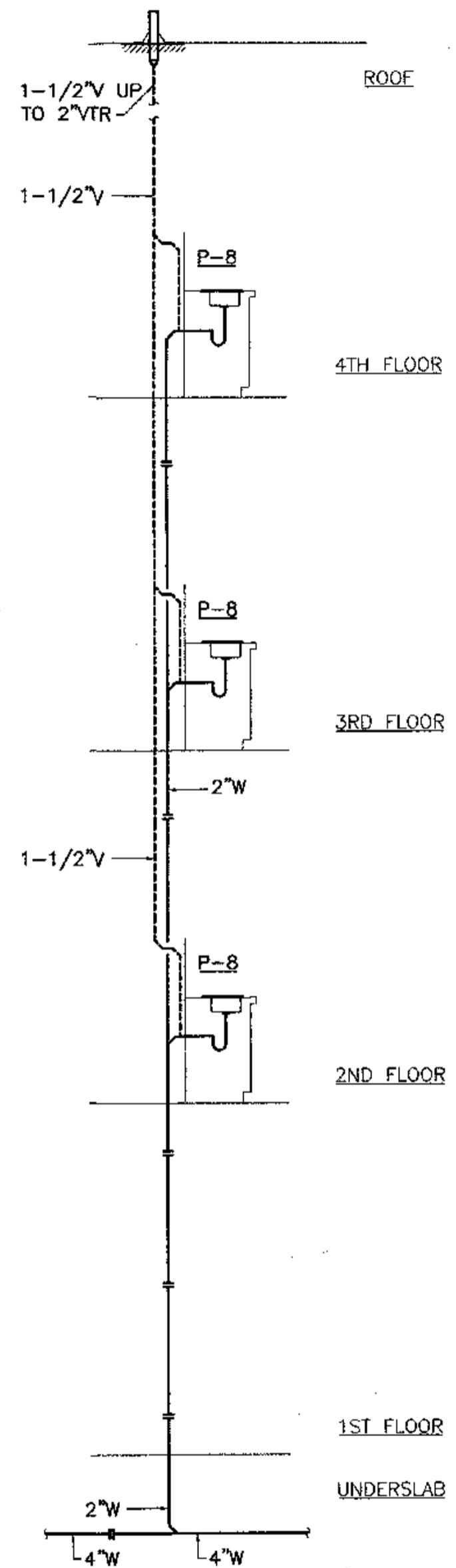
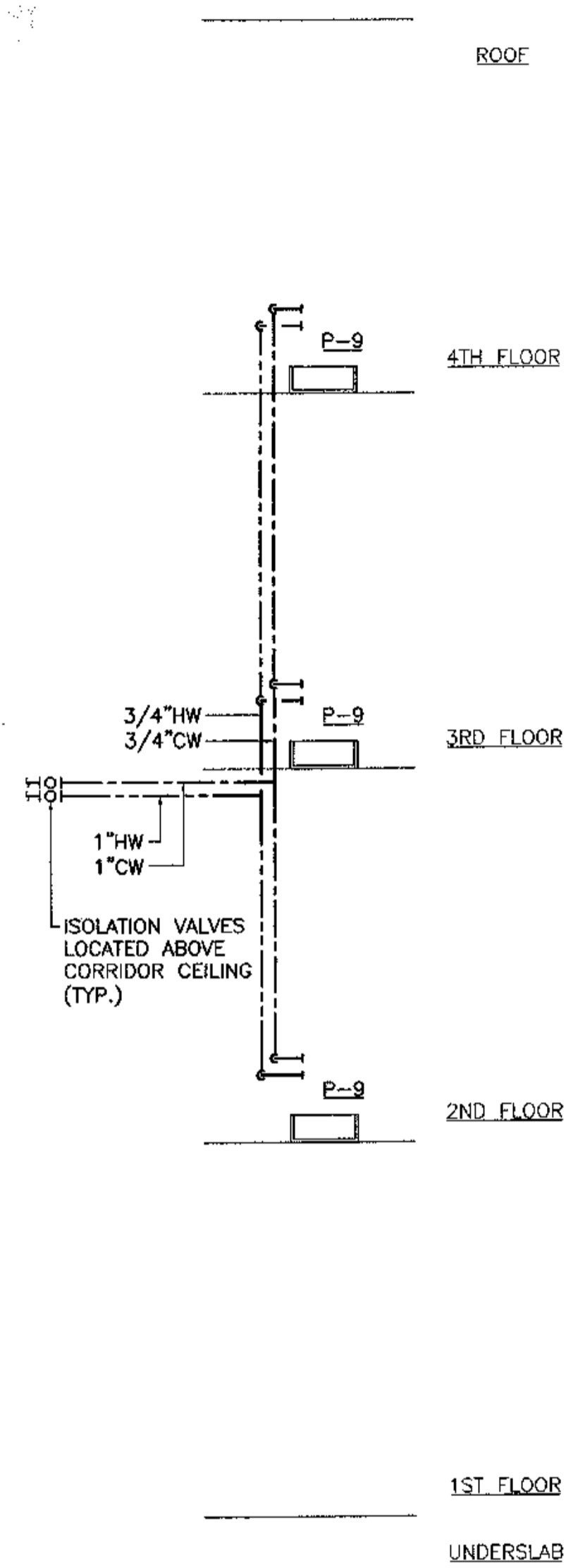
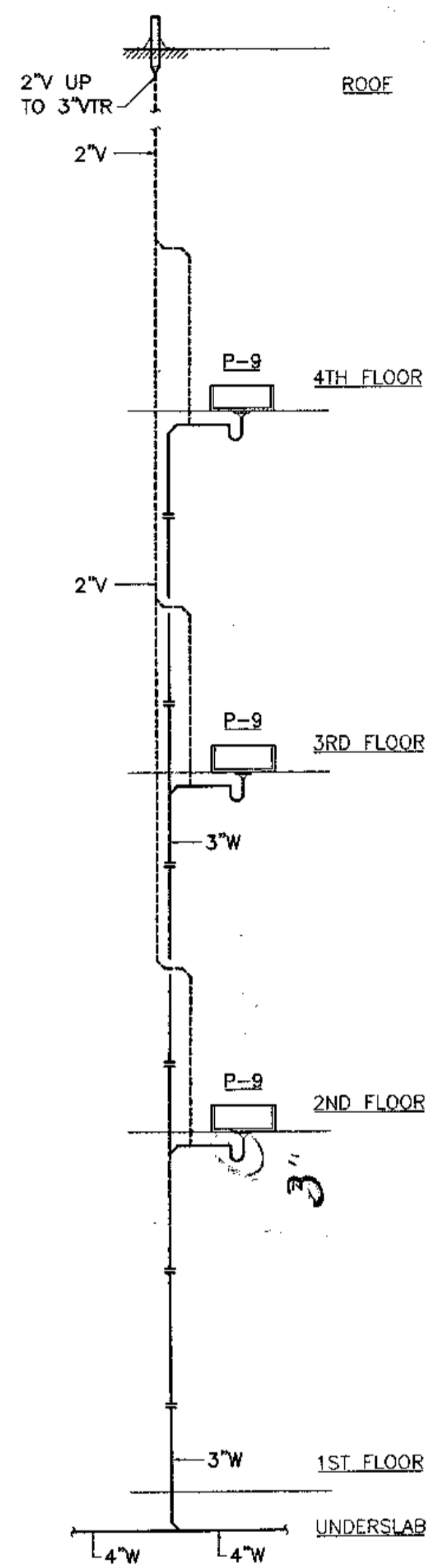
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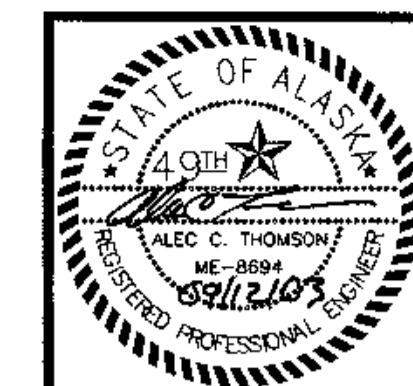
PLUMBING DIAGRAMS

SHEET NO. **M6.2**



SHEET NOTES

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PLUMBING DIAGRAMS

SHEET NO. M6.3

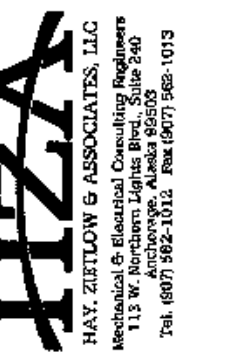
1 PLUMBING RISER DIAGRAM
M6.3 SCALE: NO SCALE

2 PLUMBING RISER DIAGRAM
M6.3 SCALE: NO SCALE

3 PLUMBING RISER DIAGRAM
M6.3 SCALE: NO SCALE

SHEET NOTES

- BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURE SCHEDULE UNLESS OTHERWISE INDICATED.
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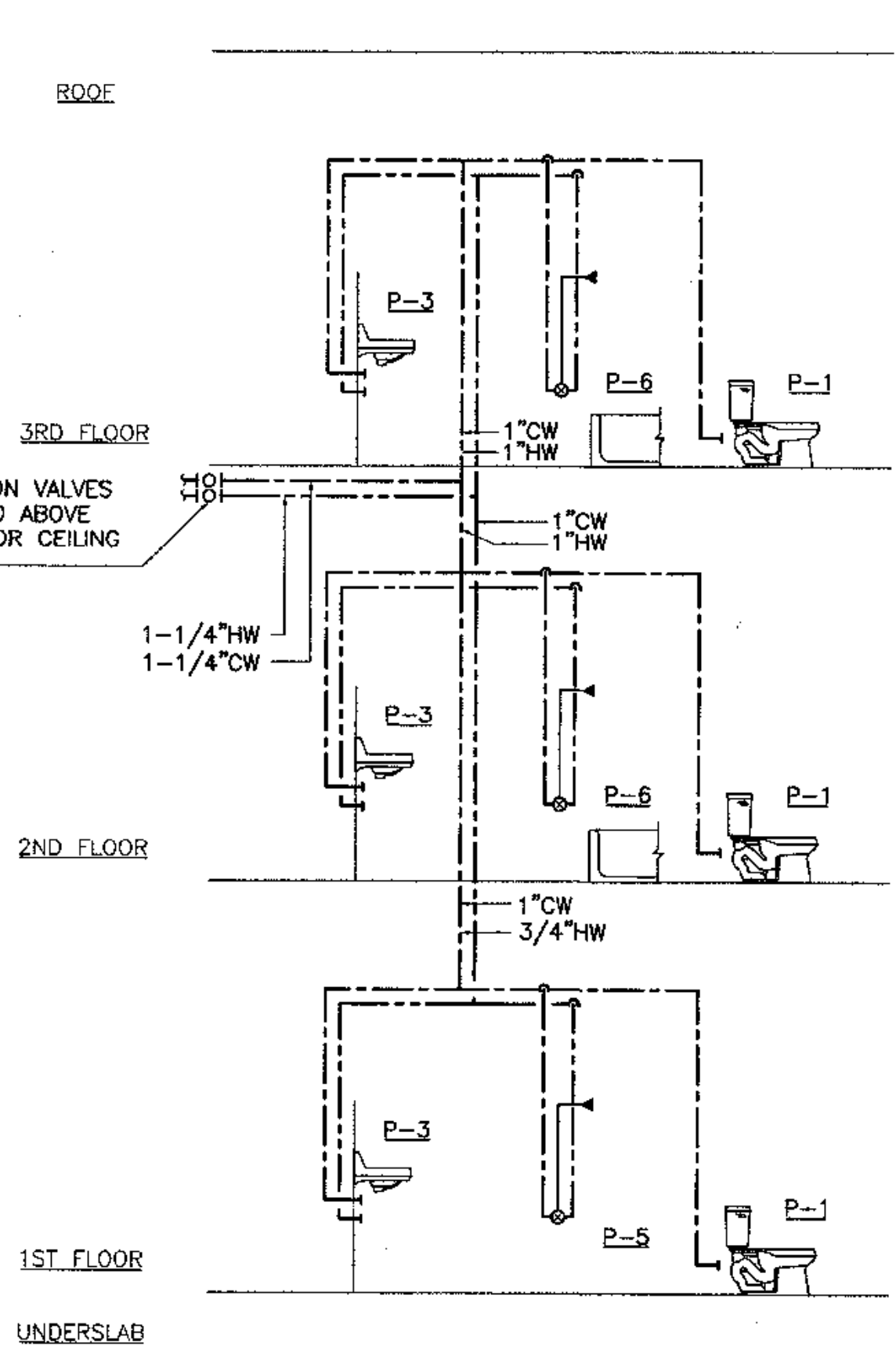
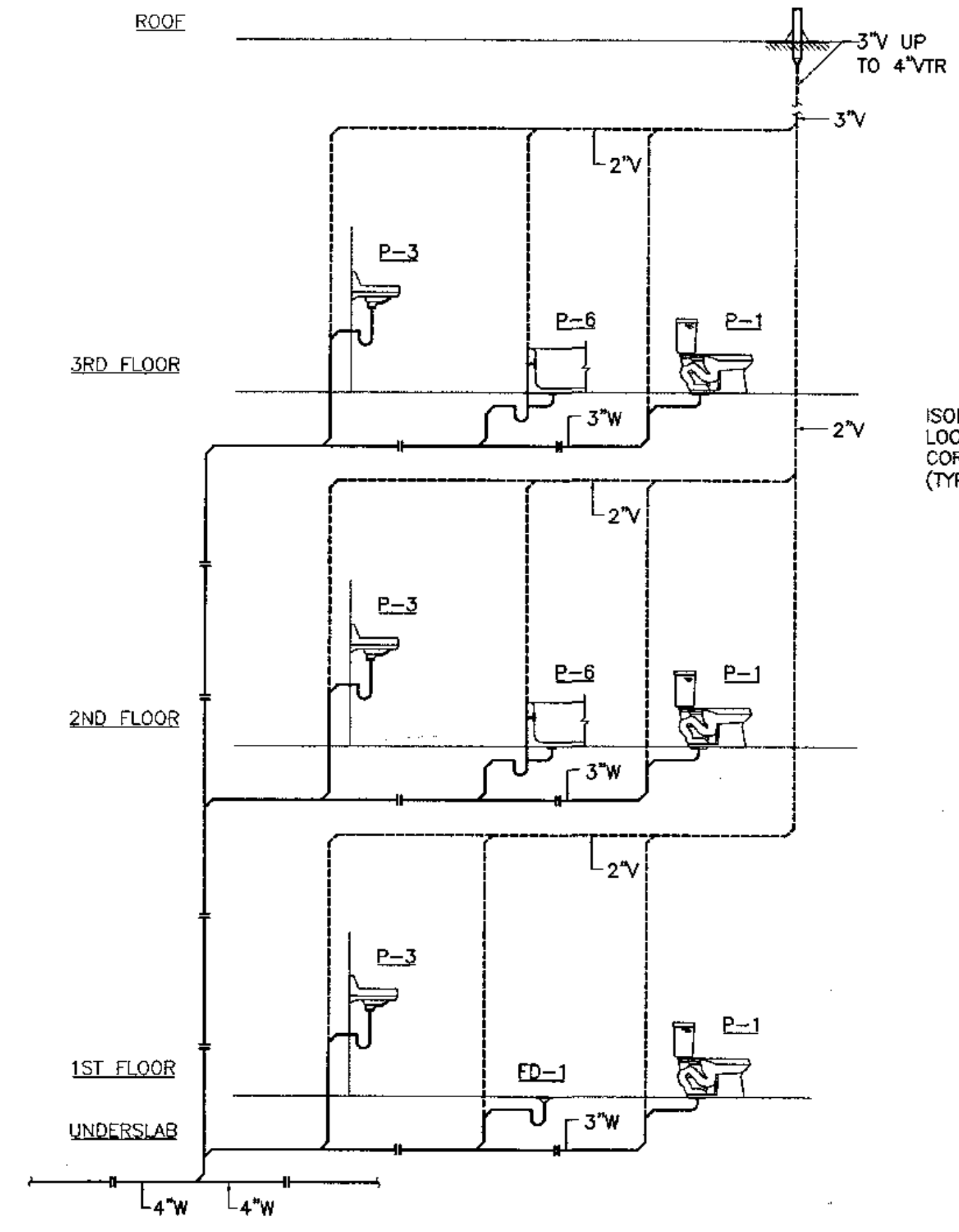
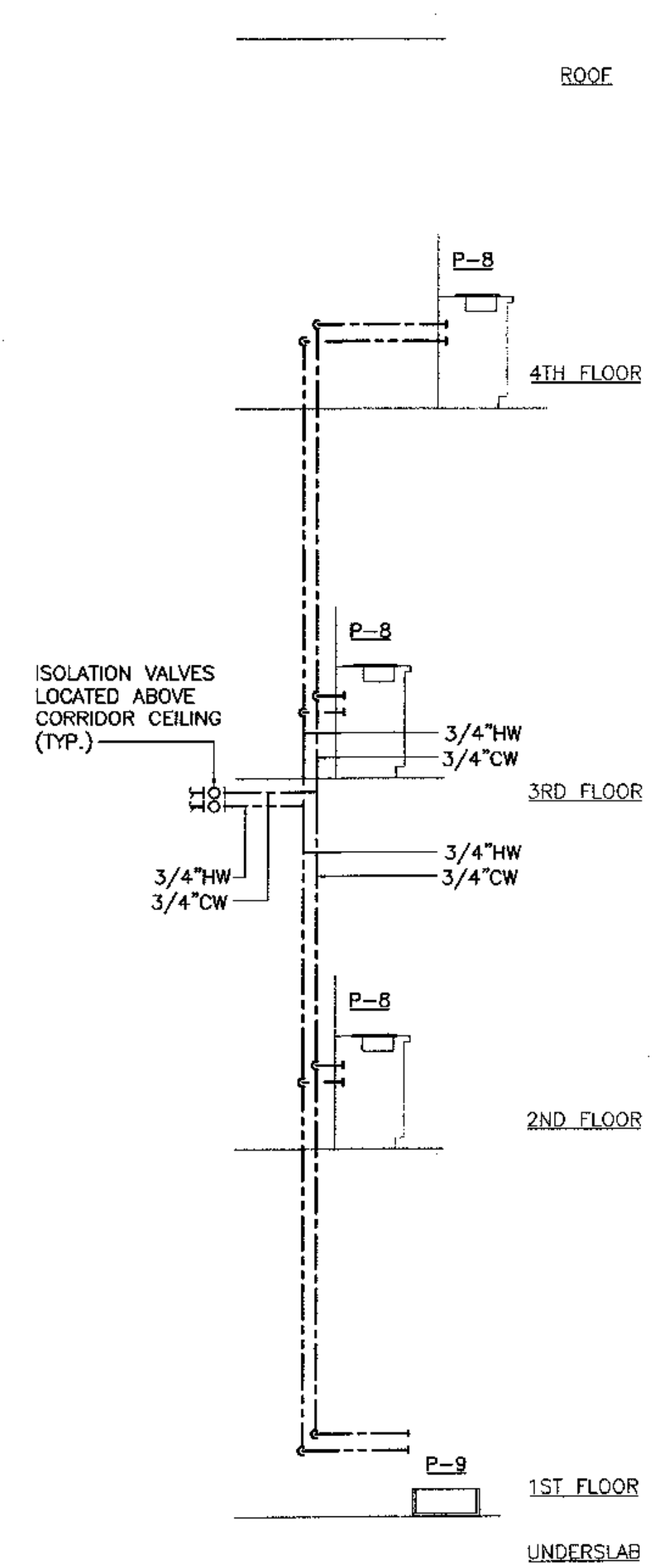
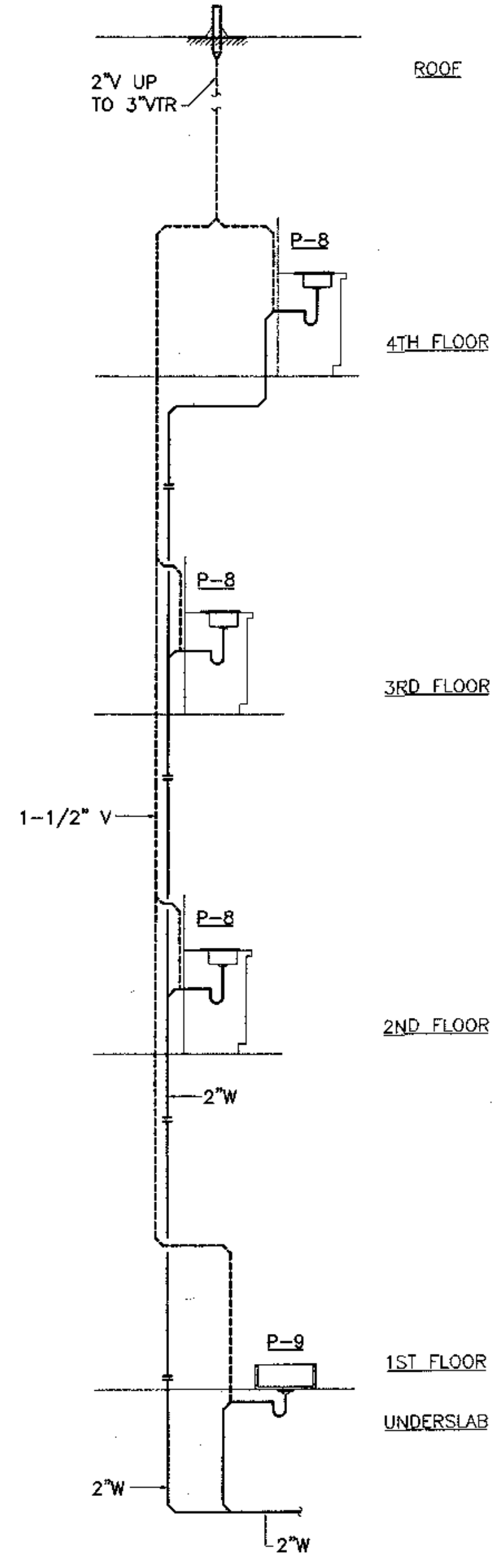
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PLUMBING DIAGRAMS

SHEET NO. **M6.4**

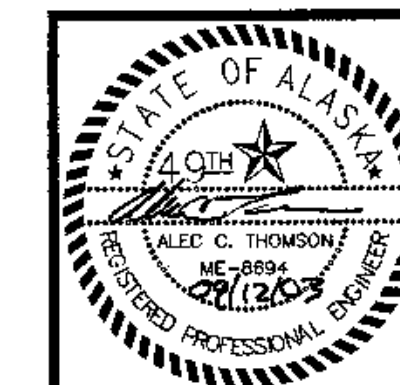


1 PLUMBING RISER DIAGRAM
M6.4 SCALE: NO SCALE

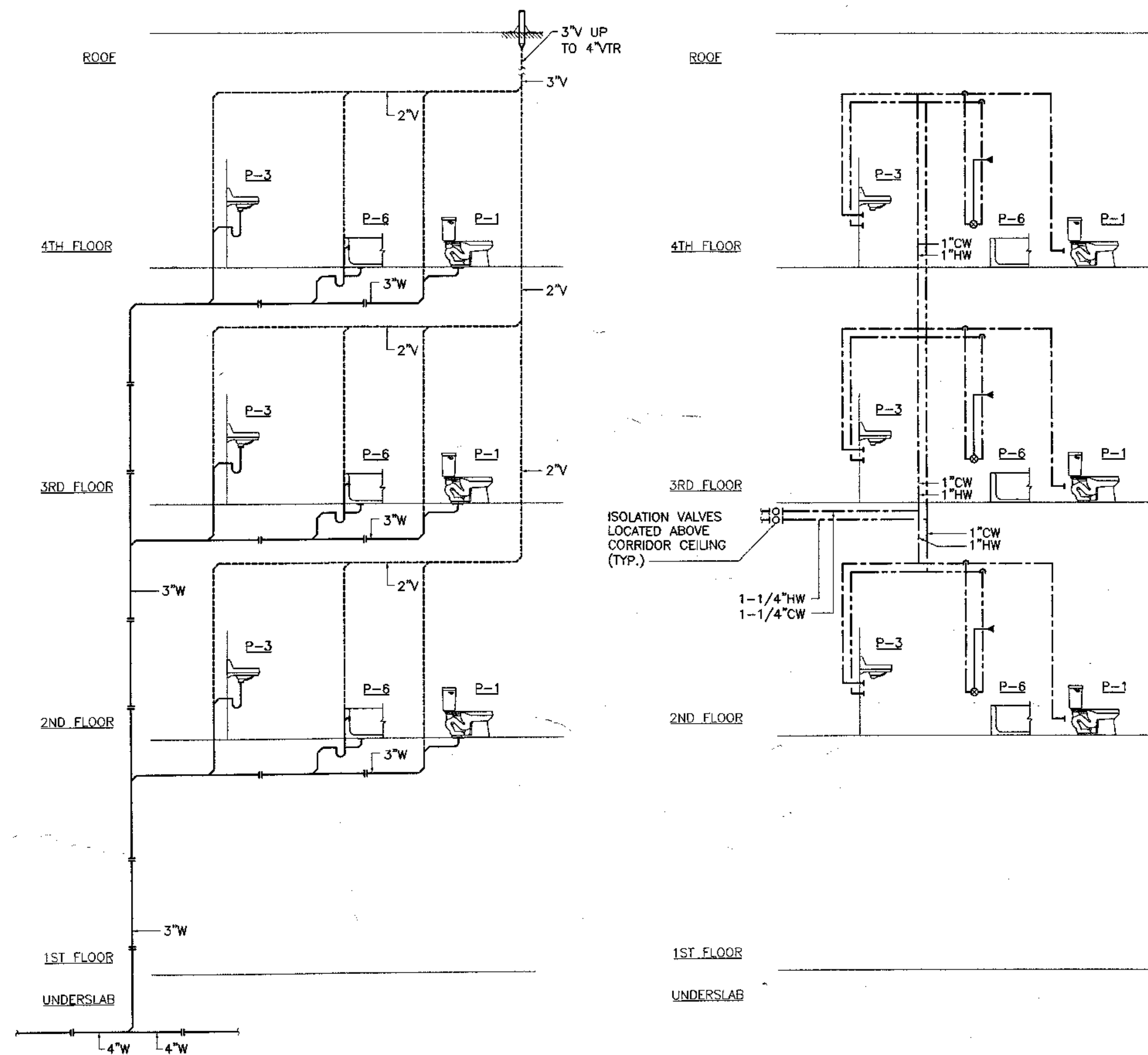
2 PLUMBING RISER DIAGRAM
M6.4 SCALE: NO SCALE

SHEET NOTES

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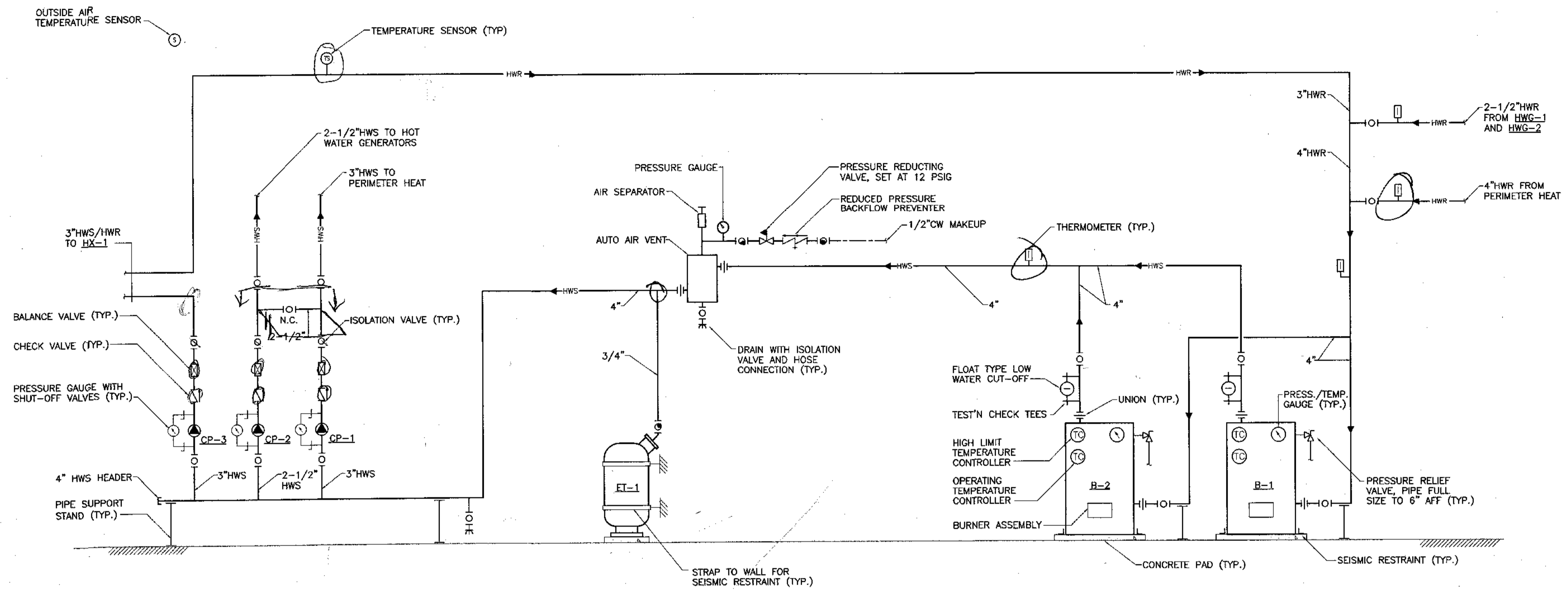
1 PLUMBING RISER DIAGRAM
 M6.5 SCALE: NO SCALE

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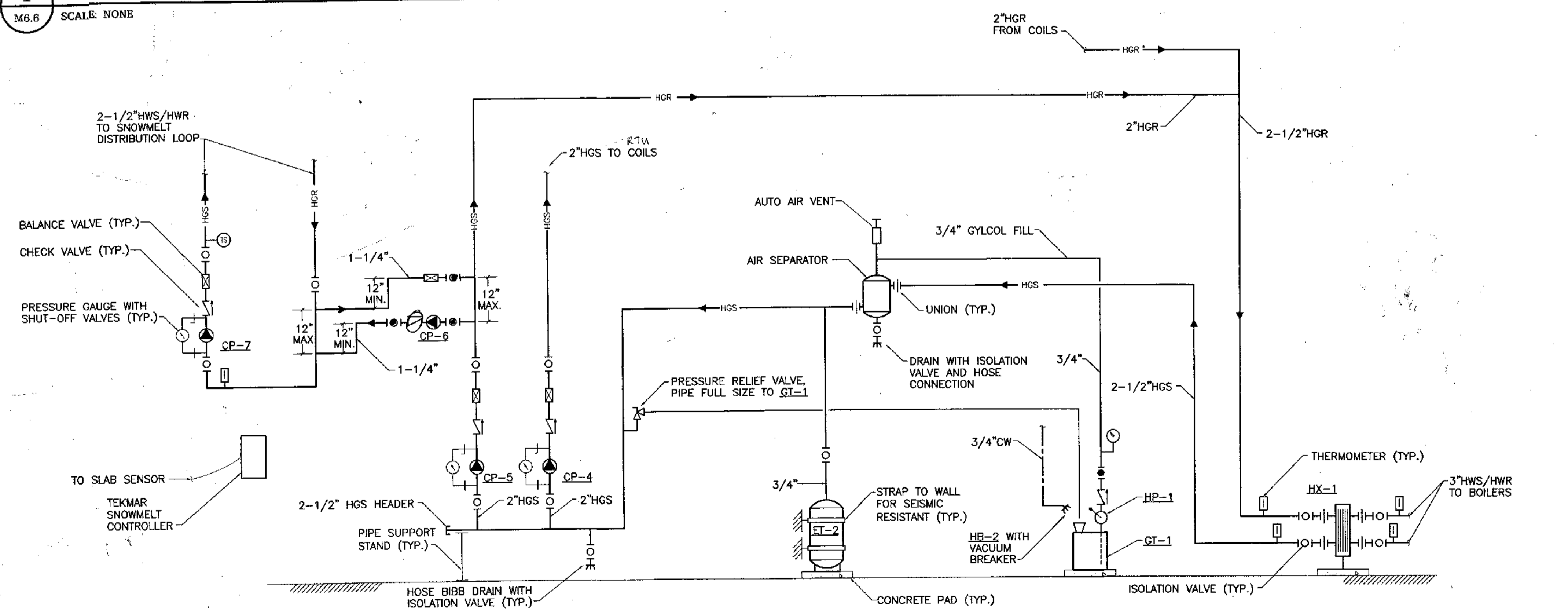
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PLUMBING DIAGRAMS

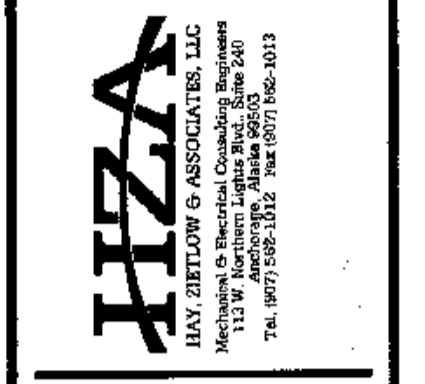
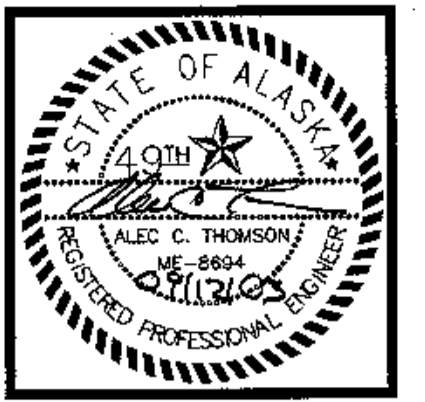
SHEET NO.
M6.5



1 BOILER PIPING DIAGRAM
M6.6 SCALE: NONE



2 HEAT EXCHANGER PIPING DIAGRAM
M6.6 SCALE: NONE



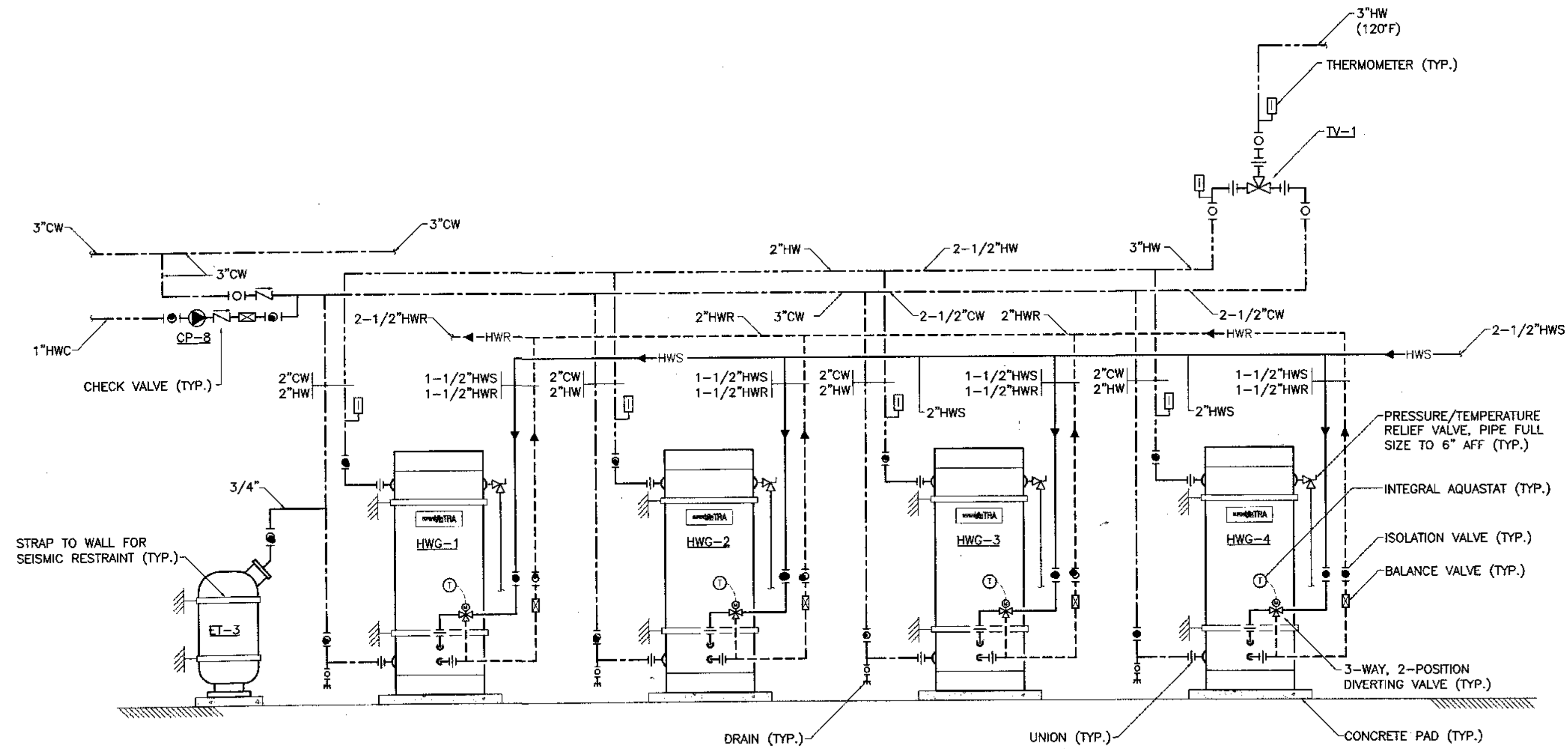
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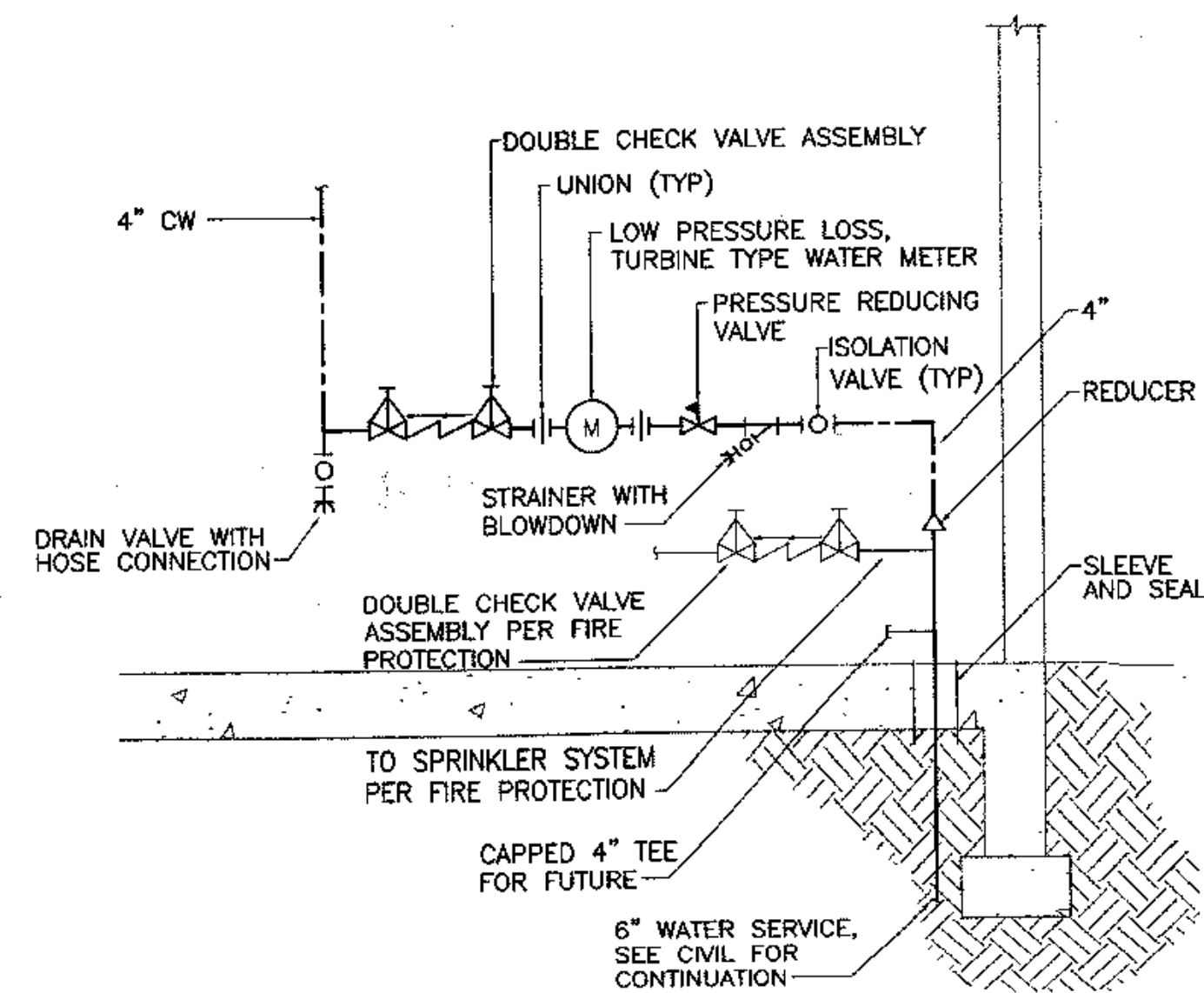
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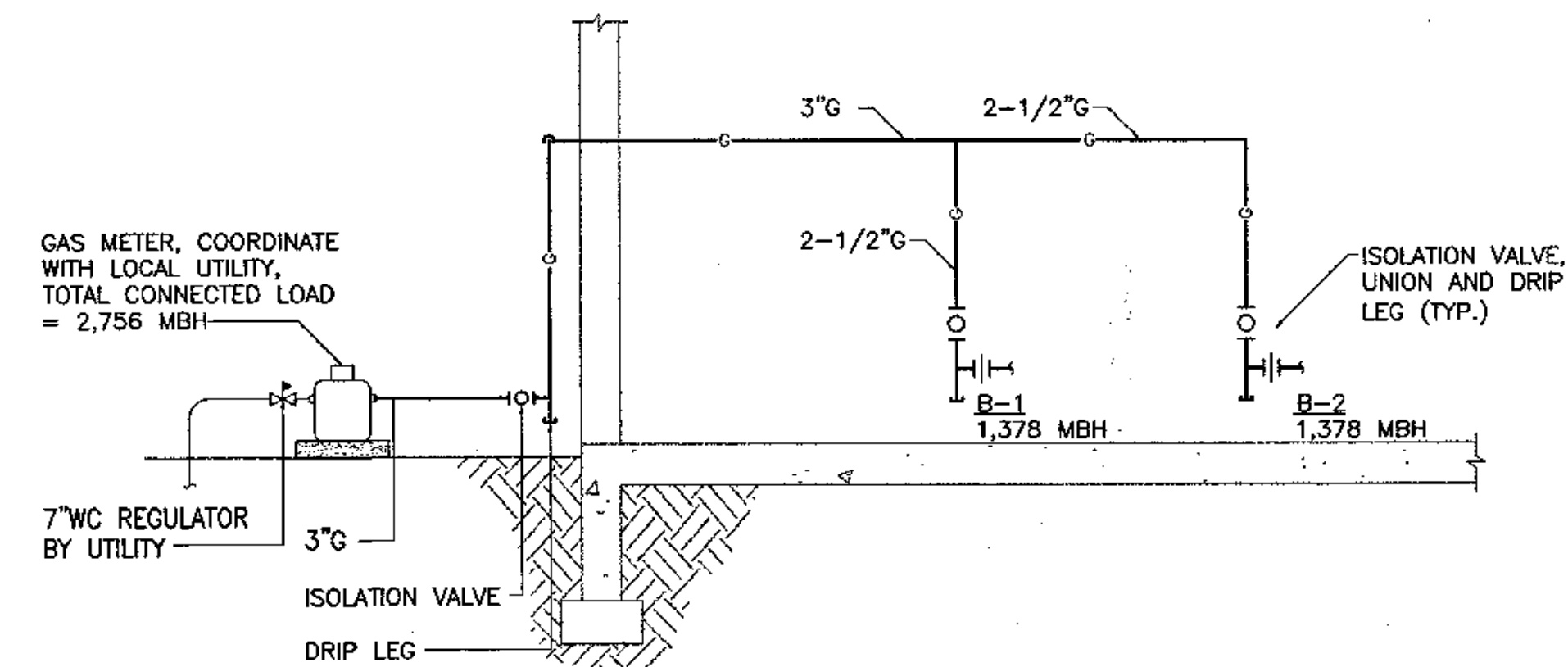
SHEET NO.
M6.6



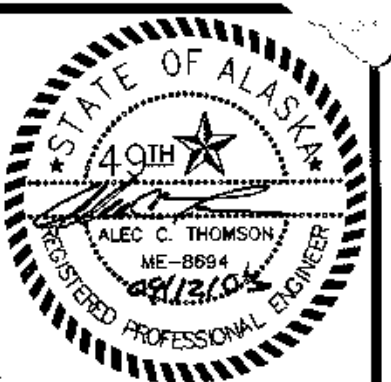
1 HOT WATER GENERATOR PIPING DIAGRAM
 M6.7 SCALE: NONE



2 WATER SERVICE PIPING DIAGRAM
 M6.7 SCALE: NONE



3 GAS PIPING DIAGRAM
 M6.7 SCALE: NONE



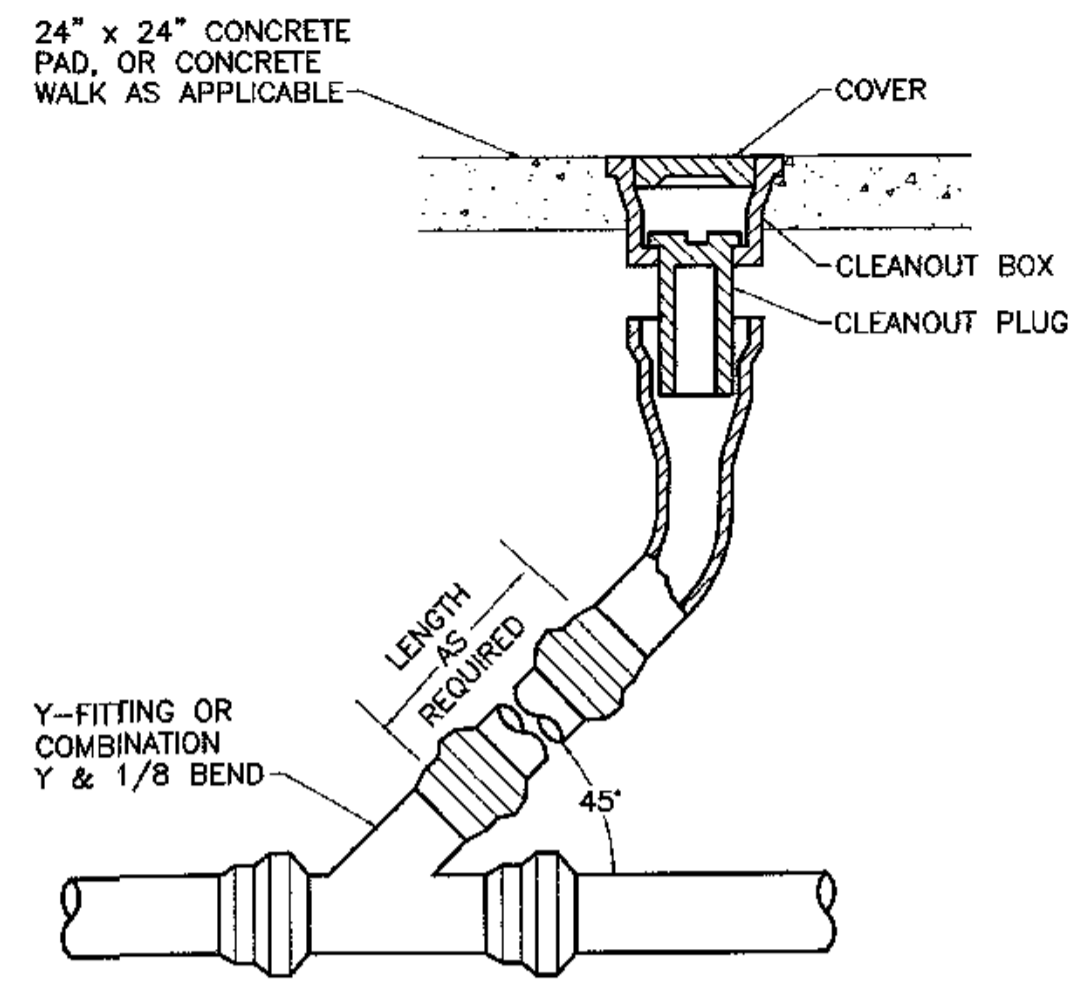
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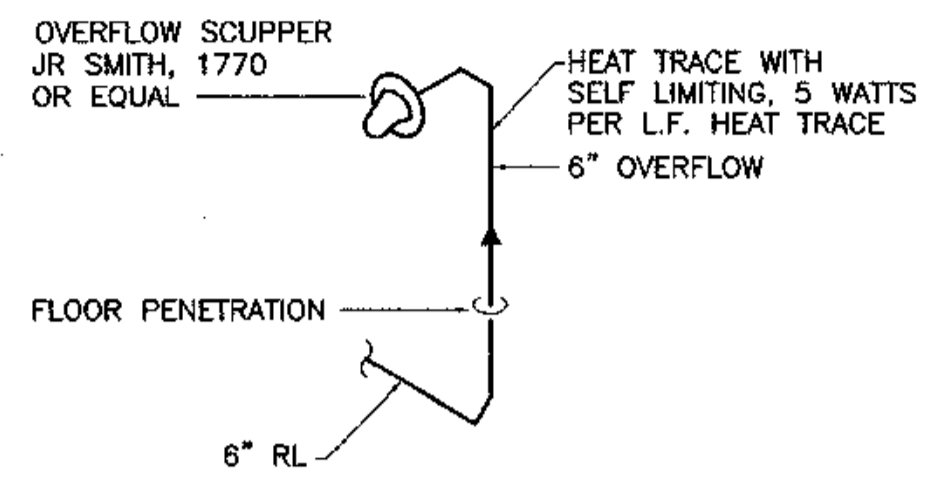
DIAGRAMS

SHEET NO.
M6.7



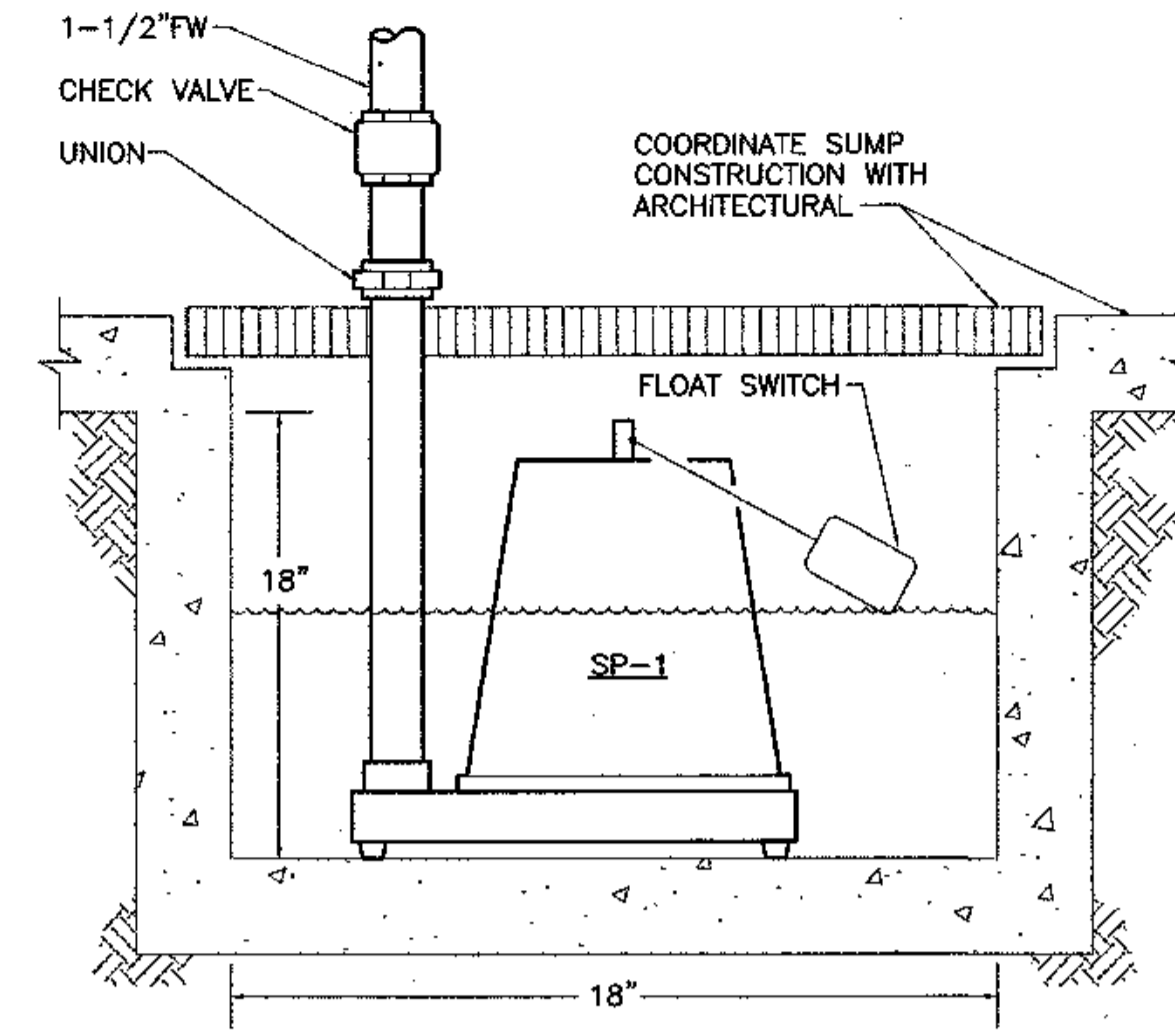
1 YARD CLEAN OUT DETAIL

M7.1 SCALE: NONE



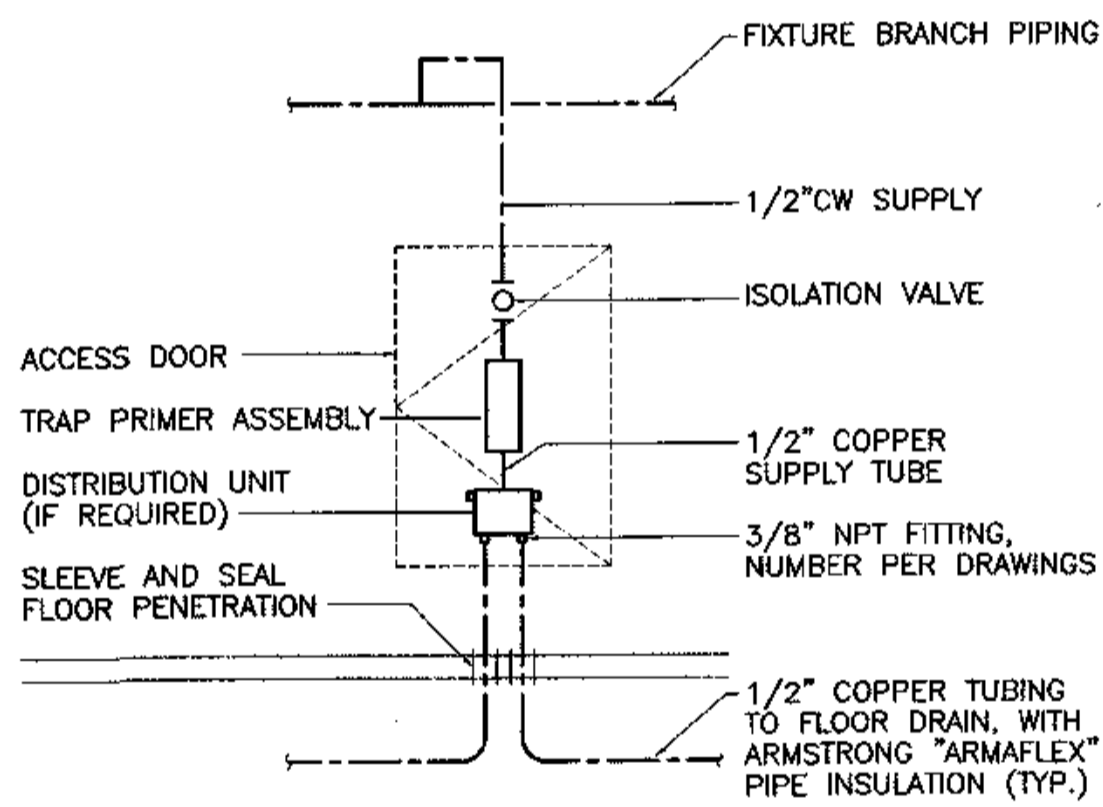
2 OVERFLOW SCUPPER DETAIL

M7.1 SCALE: NONE



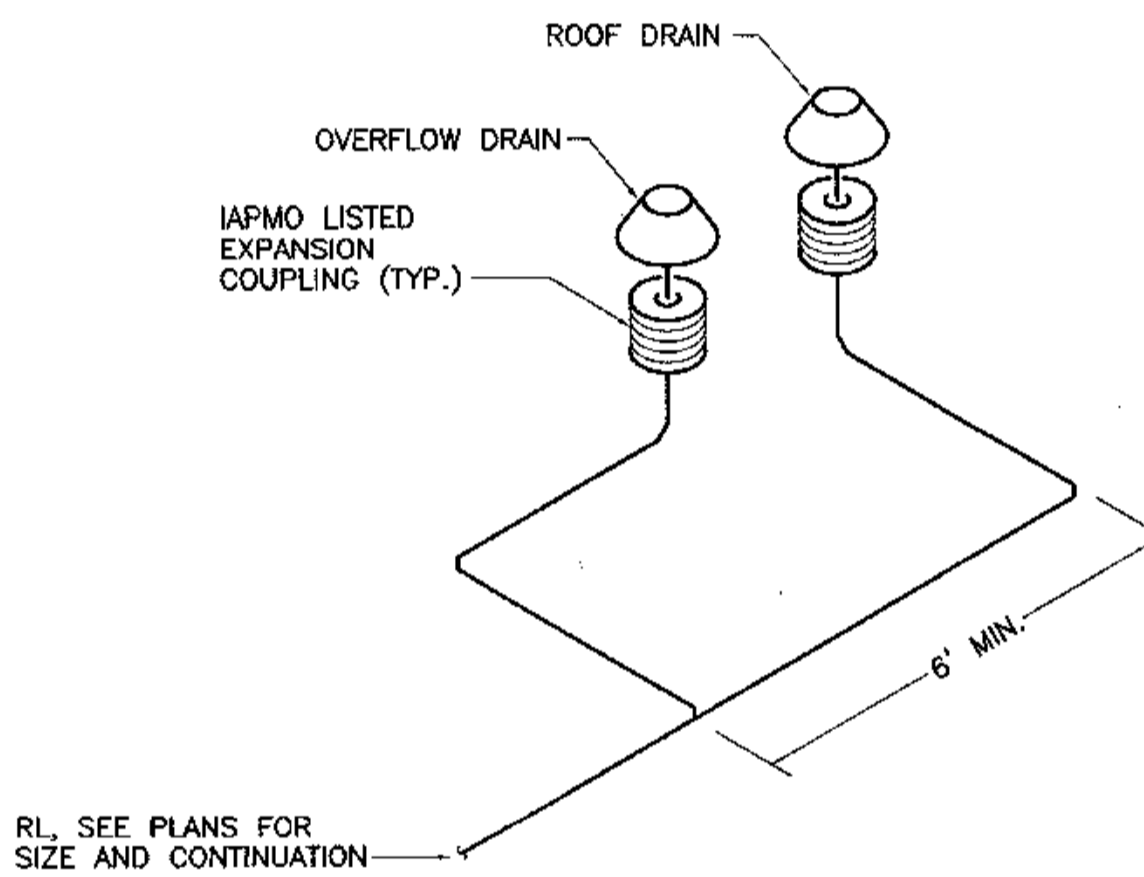
3 SUMP PUMP DETAIL

M7.1 SCALE: NONE



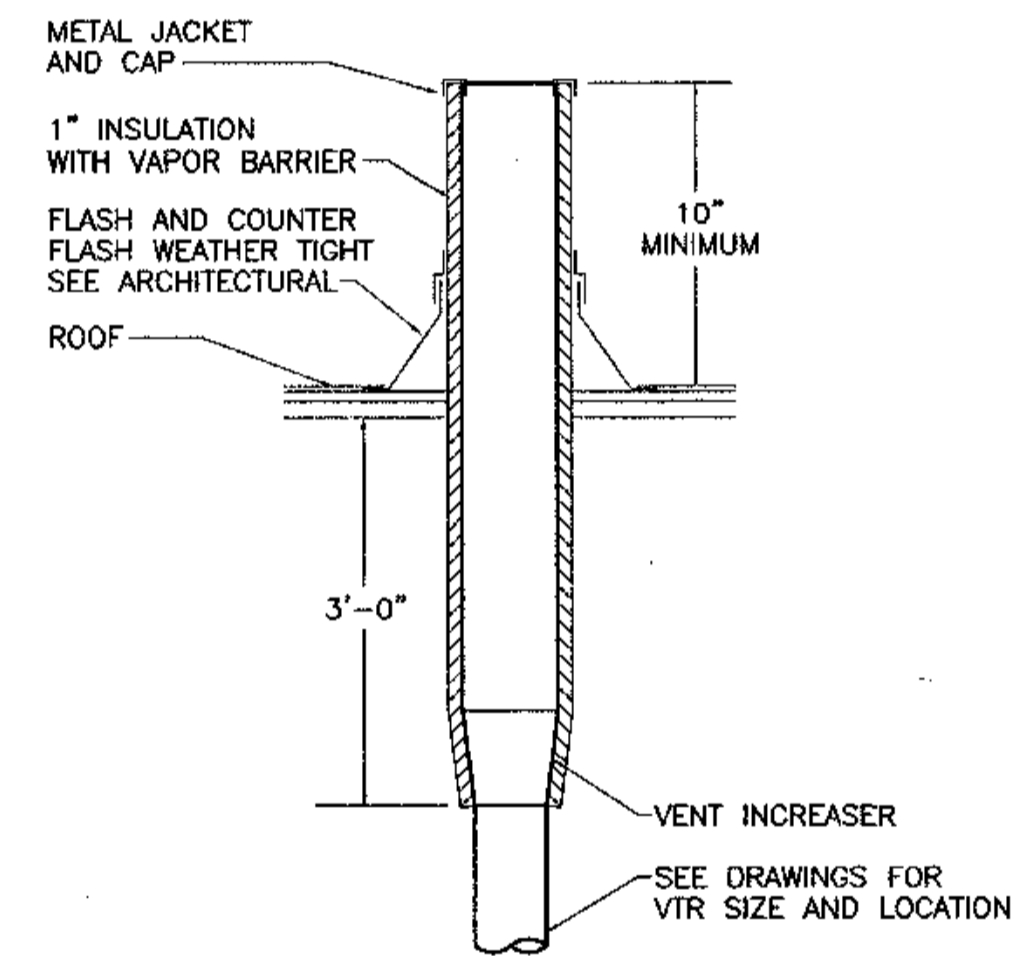
4 TRAP PRIMER DETAIL

M7.1 SCALE: NONE



5 ROOF DRAIN / OVERFLOW DRAIN DETAIL

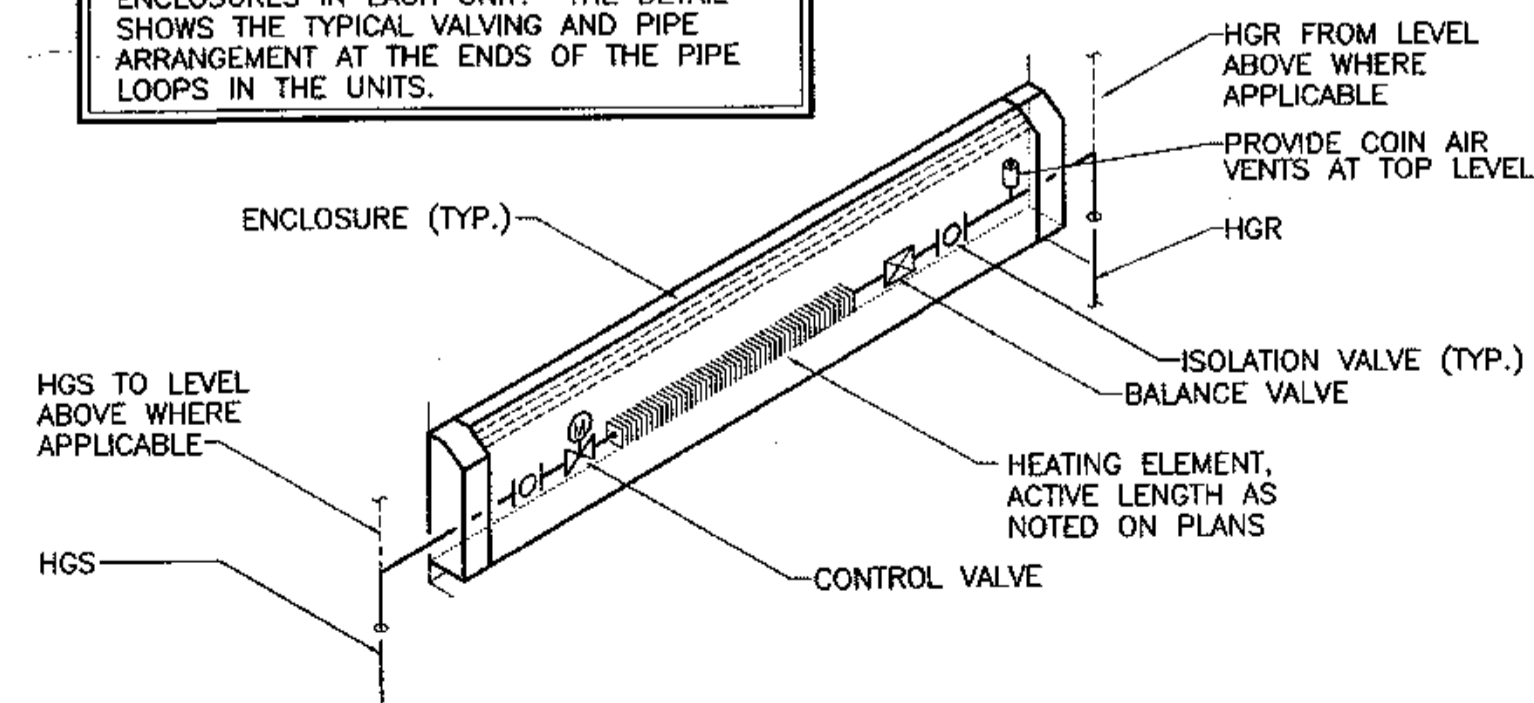
M7.1 SCALE: NONE



6 VENT THROUGH ROOF DETAIL

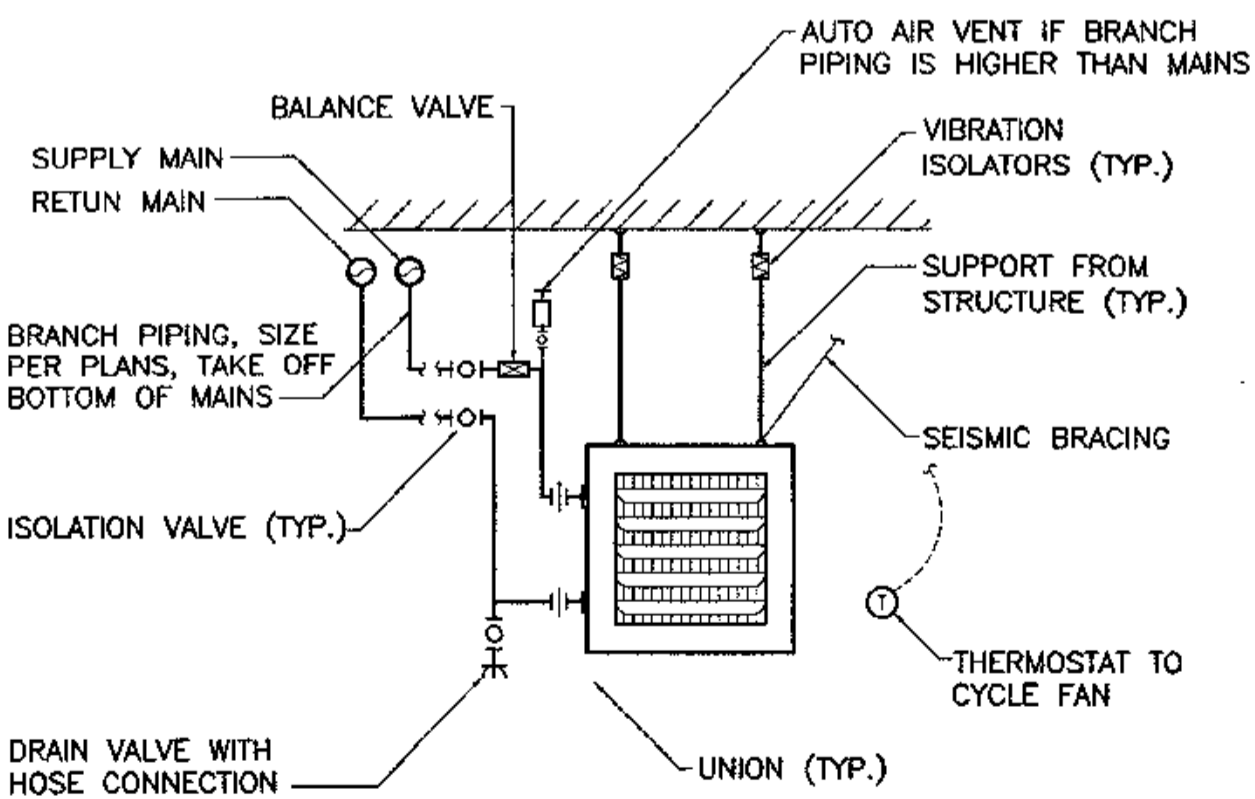
M7.1 SCALE: NONE

NOTE: INDIVIDUAL APARTMENT UNITS HAVE MULTIPLE ENCLOSURES PIPED IN SERIES. SEE PLANS FOR NUMBER, LENGTH AND LOCATION OF ENCLOSURES IN EACH UNIT. THE DETAIL SHOWS THE TYPICAL VALVING AND PIPE ARRANGEMENT AT THE ENDS OF THE PIPE LOOPS IN THE UNITS.



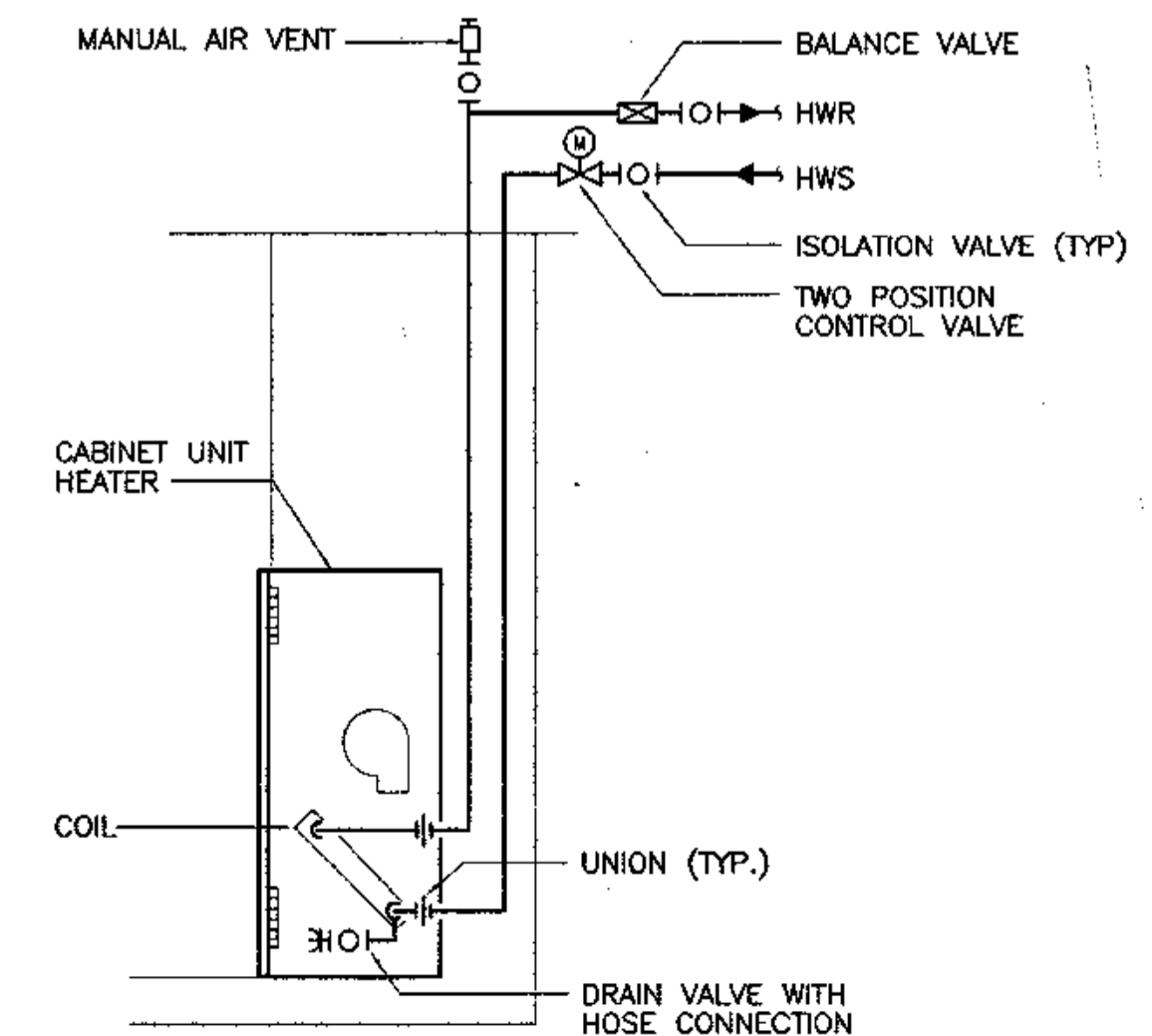
7 BASEBOARD DETAIL

M7.1 SCALE: NONE



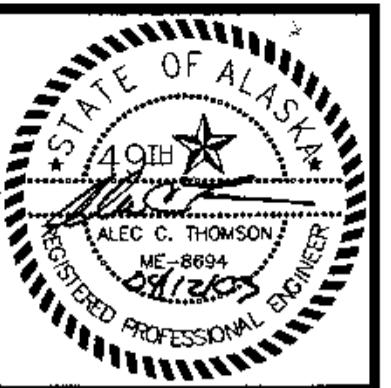
8 UNIT HEATER DETAIL

M7.1 SCALE: NONE



9 CABINET UNIT HEATER DETAIL

M7.1 SCALE: NONE



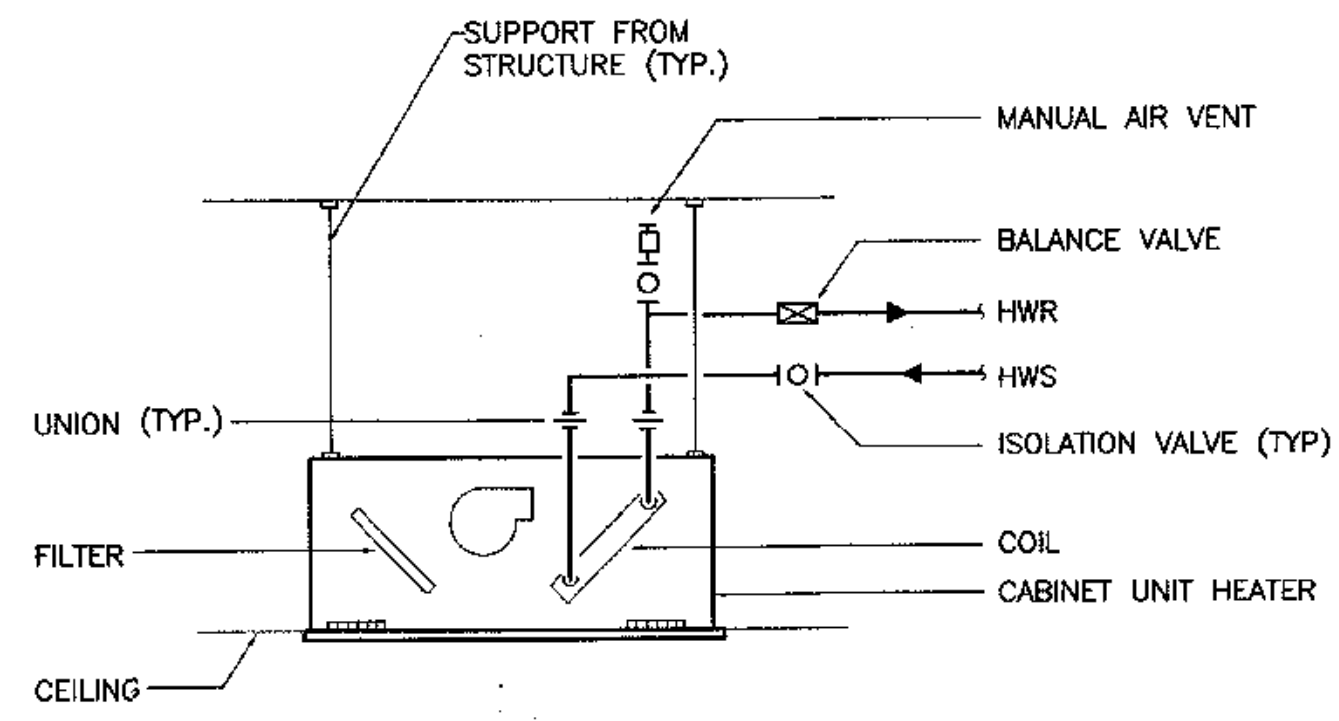
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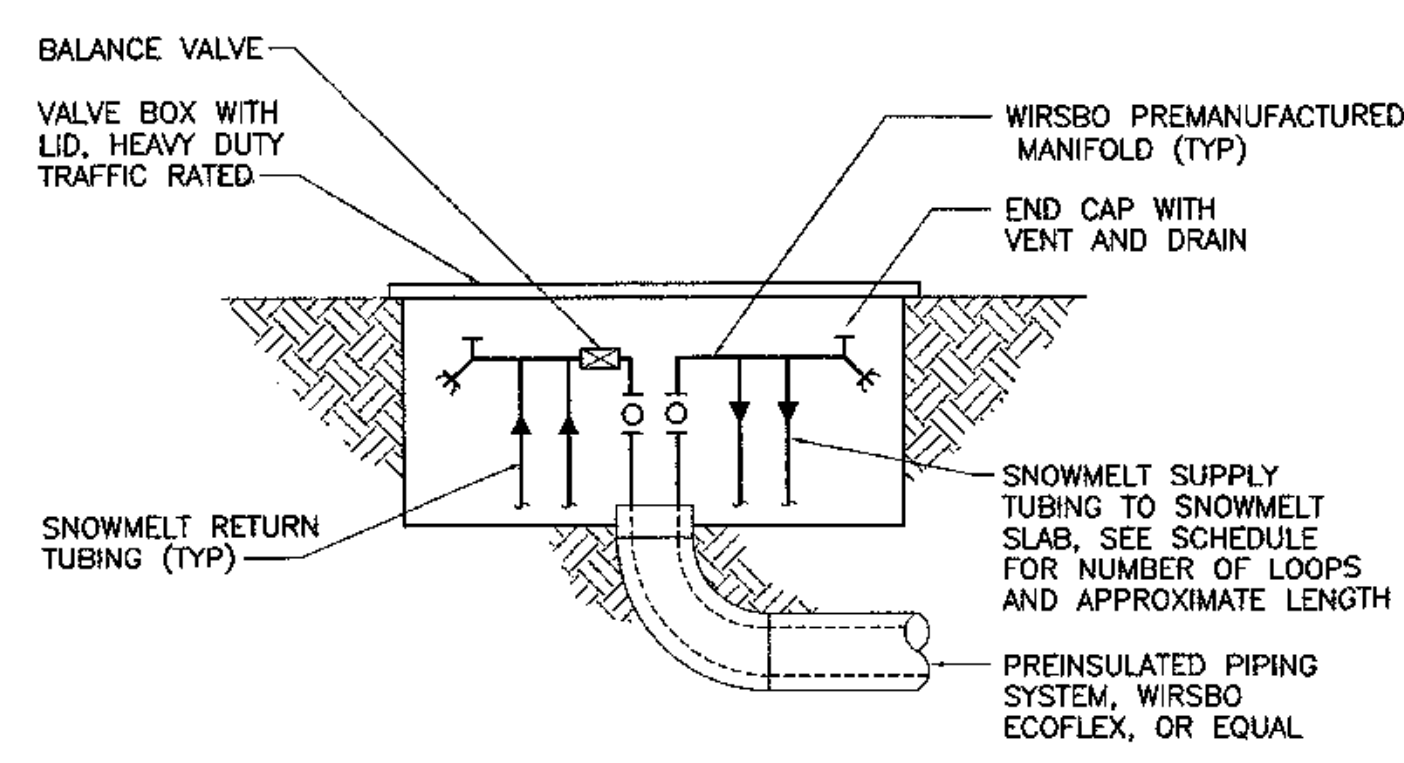
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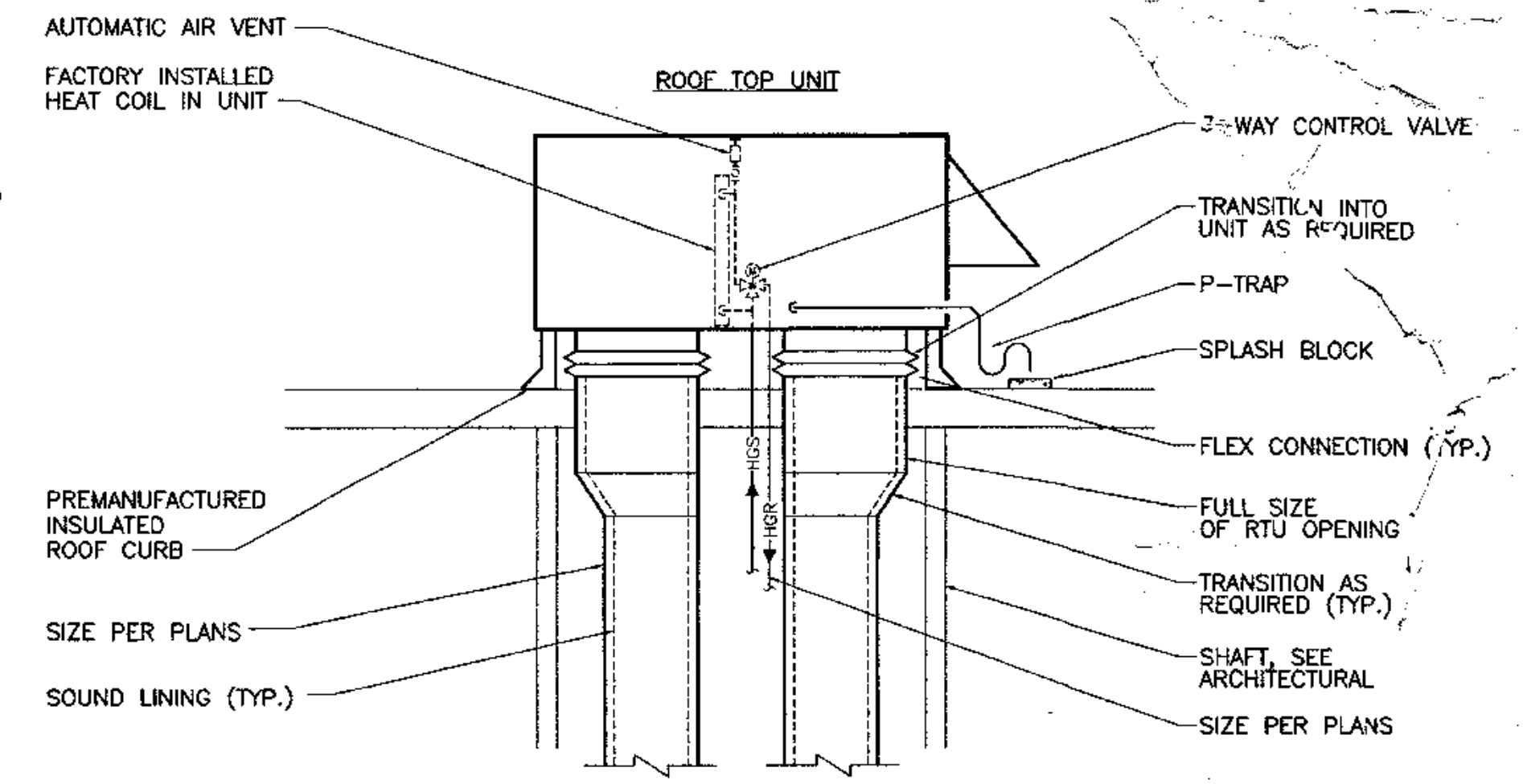
SHEET NO.
M7.1



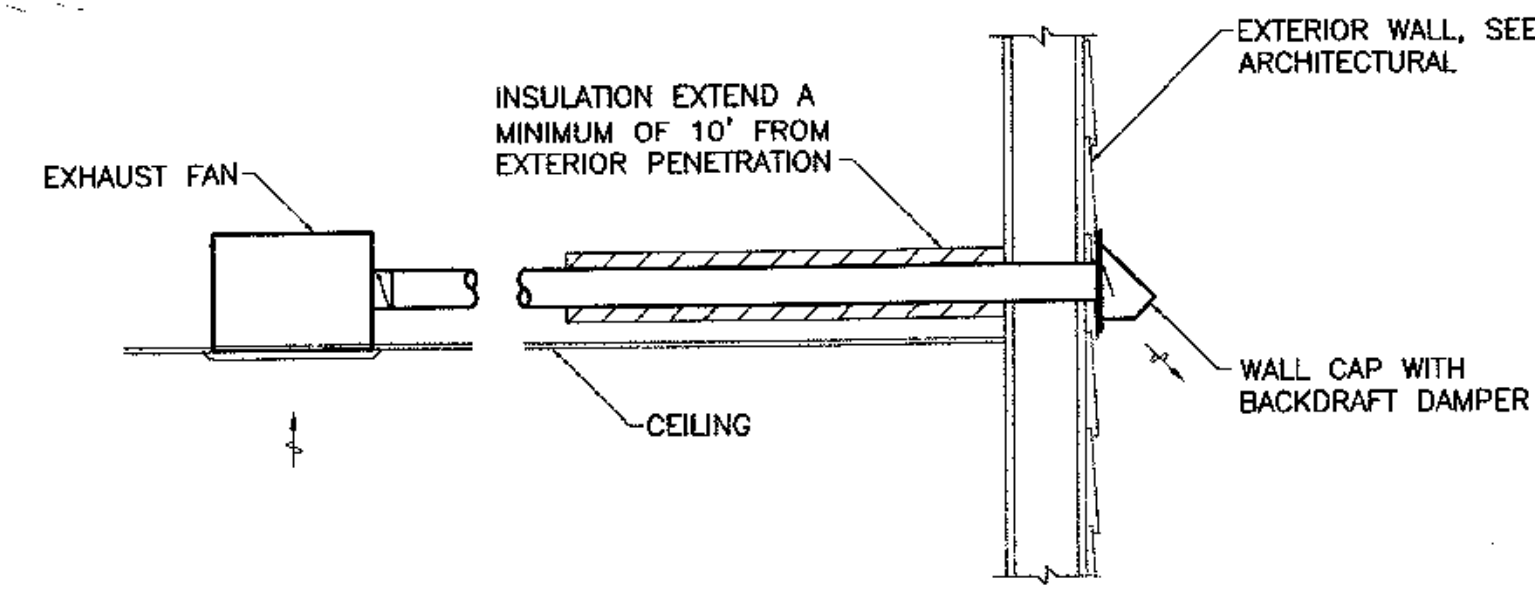
1 CABINET UNIT DETAIL
M7.2 SCALE: NONE



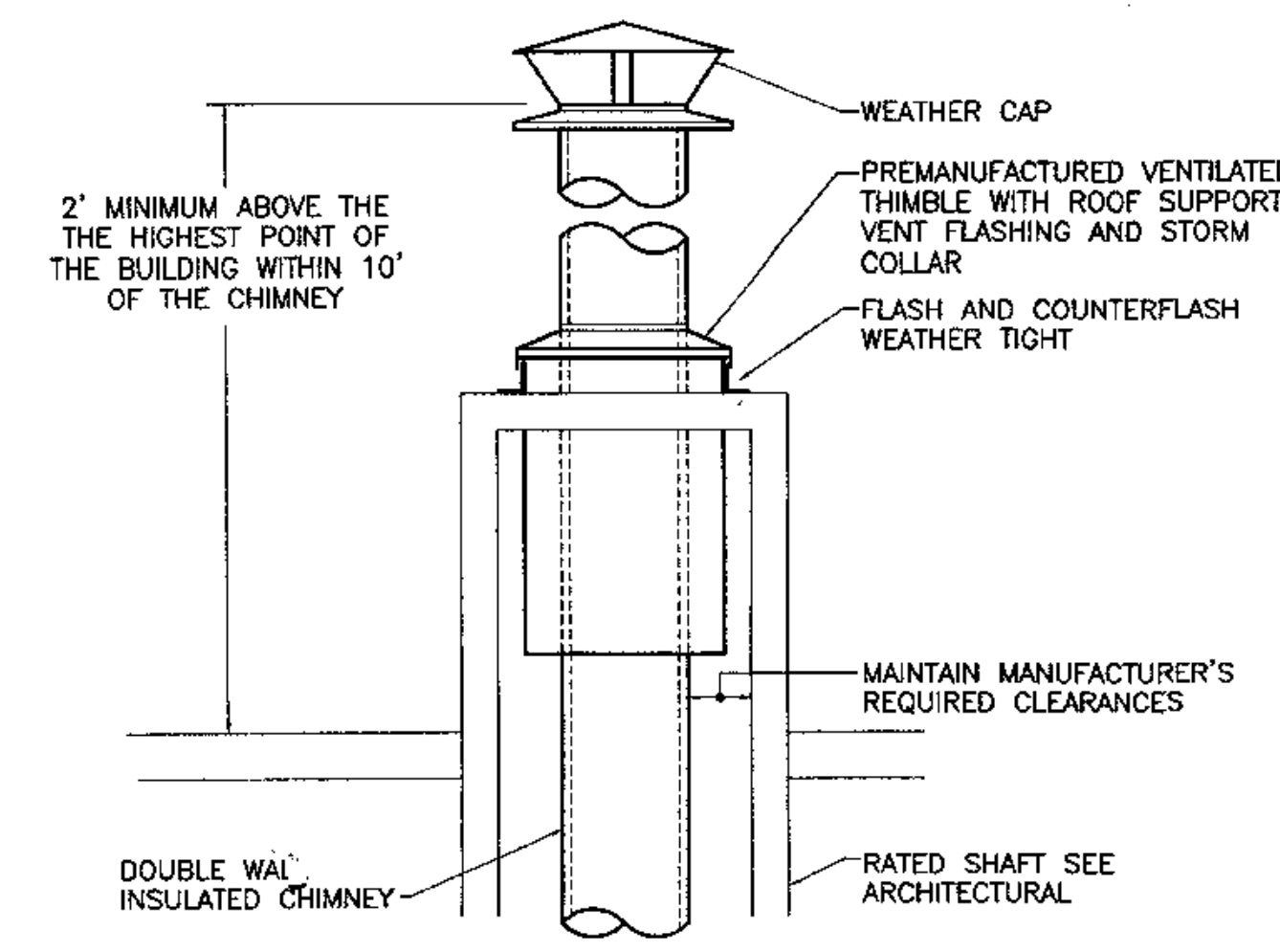
2 SNOWMELT MANIFOLD DETAIL
M7.2 SCALE: NONE



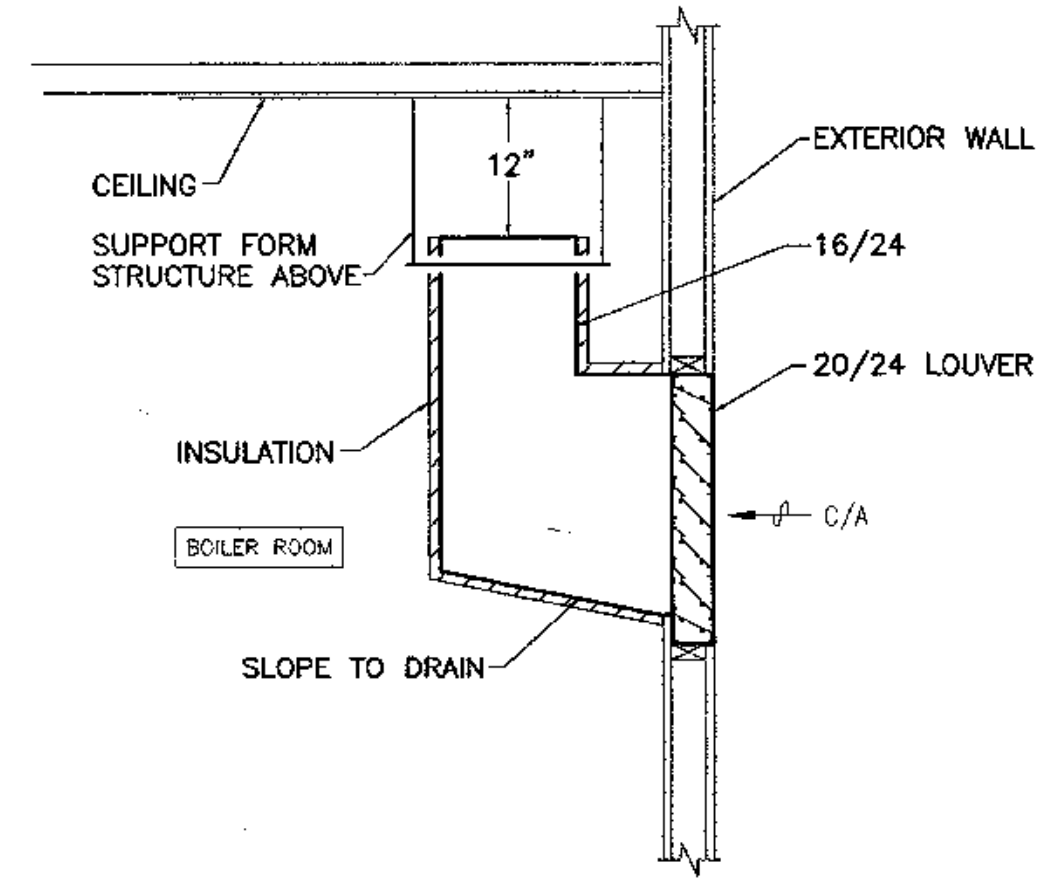
3 ROOF TOP UNIT DETAIL
M7.2 SCALE: NONE



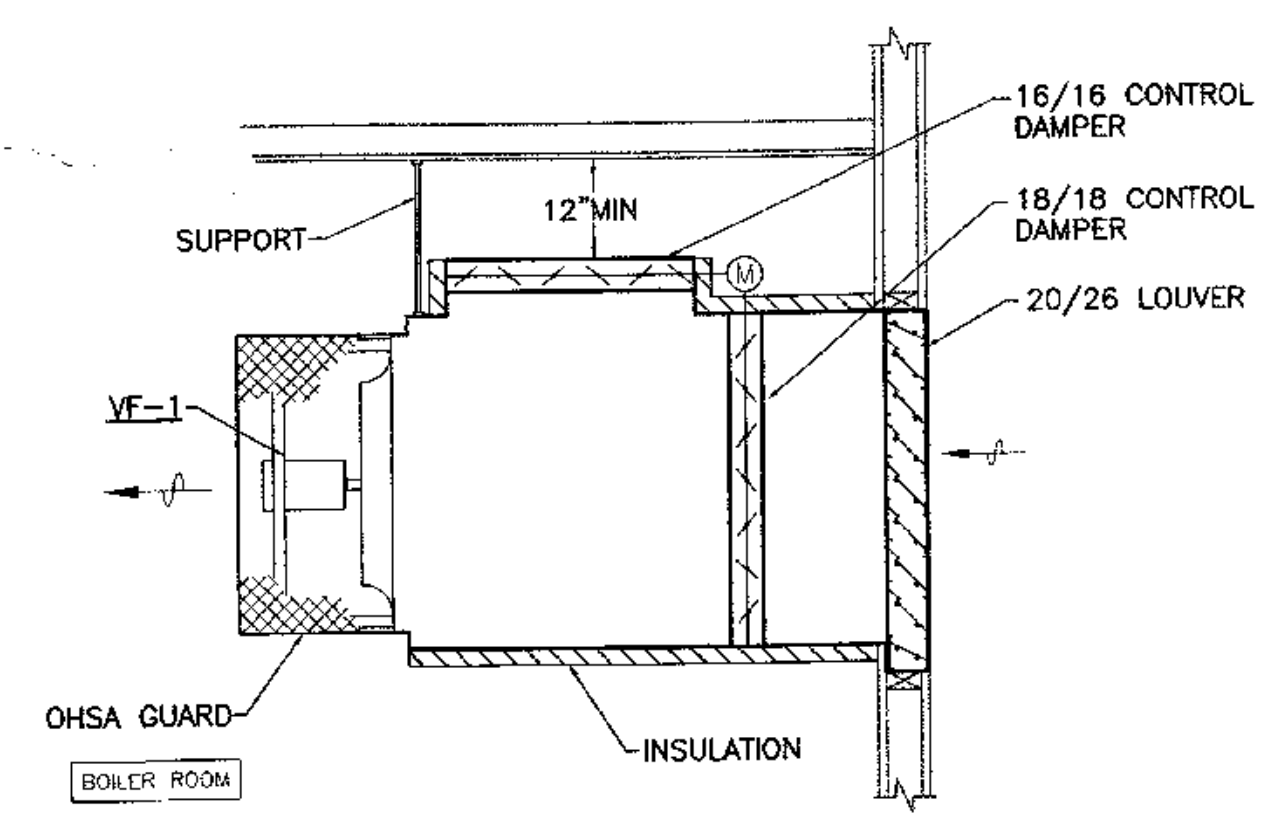
4 EXHAUST FAN DETAIL
M7.2 SCALE: NONE



5 FLUE TERMINATION DETAIL
M7.2 SCALE: NONE

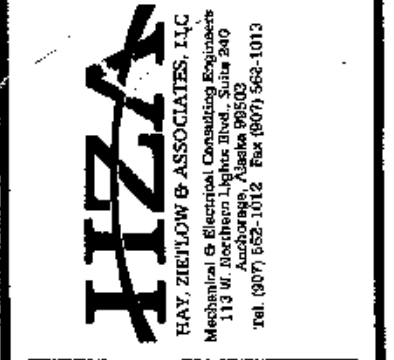
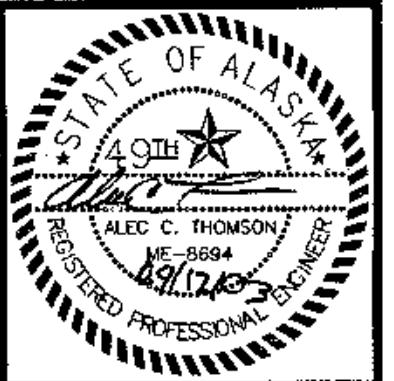


6 COMBUSTION AIR DETAIL
M7.2 SCALE: NONE



7 BOILER ROOM VENT FAN DETAIL
M7.2 SCALE: NONE

*BLVD
348 8851*



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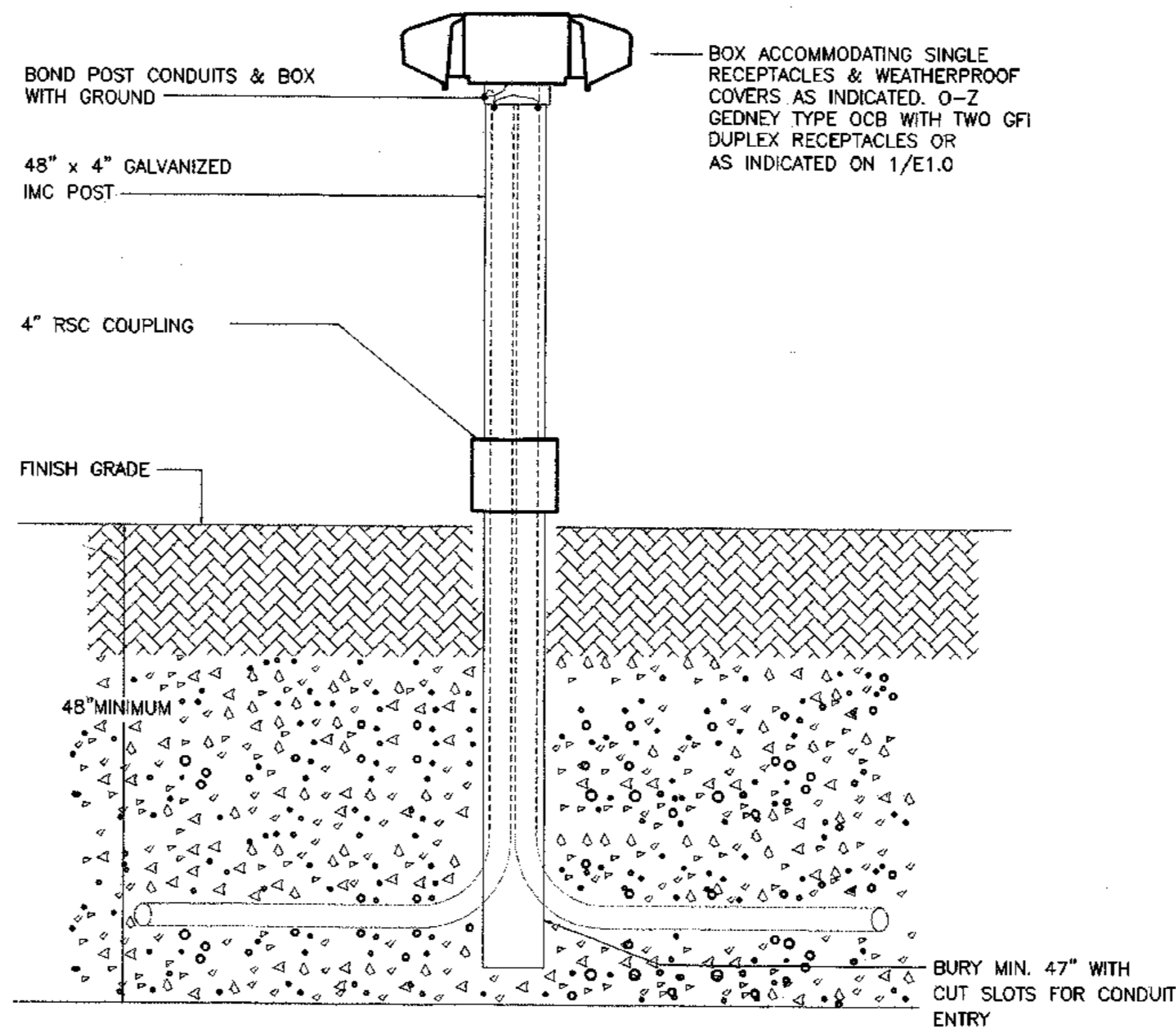
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DETAILS

SHEET NO.
M7.2

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER AND MODEL NUMBER	DESCRIPTION	LAMP		MOUNTING		TYPE	MANUFACTURER AND MODEL NUMBER	DESCRIPTION	LAMP		MOUNTING	
			TYPE	QUANTITY	TYPE	HEIGHT				TYPE	QUANTITY	TYPE	HEIGHT
A	MURRAY FEISS #FM175BS	SEMI-FLUSH CEILING FIXTURE WITH STEEL TRIM.	75W	3	SEMI-FLUSH	CEILING	X	LITHONIA #AF-1/42TRT-8AR-120	6" DIAMETER HORIZONTAL LAMP COMPACT FLUORESCENT DOWNLIGHT WITH CLEAR SPECULAR REFLECTOR.	F42/TRT	1	RECESSED	CEILING
A1	MURRAY FEISS #FM174BS	DECORATIVE SURFACE MOUNTED FIXTURE WITH CHROME HOUSING	60W	2		CEILING	Y	LITECONTROL#P-ID-90-6-8-T8-PARSS-TW-ELB-120	NOMINAL 9.5" X 3.5" PENDANT MOUNTED INDIRECT/DIRECT FLUORESCENT FIXTURE WITH SEMI-SPECULAR PARABOLIC BAFFLE.	F32/T8	6	PENDANT	90"
B	LITHONIA #L7S-6LF3	RECESSED WET LOCATION INCANDESCENT WITH FLUSH WHITE SPLAY GLASS LENS.	75W A19	1	RECESSED	CEILING	Z	LITHONIA #CL2432-32-GEB	ONE-PIECE CONTOURED DIFFUSER WITH WHITE ACRYLIC LENS AND TWO ELECTRONIC BALLAST.	F32/T8	3	SURFACE	CEILING
C	LITHONIA #2SPG-D-432-A12-120-GEB	2'x4' RECESSED GRID FIXTURE WITH DUAL AIR HANDLING/HEAT REMOVAL AND ELECTRONIC BALLAST.	F32/T-8	4	RECESSED	CEILING	AA	CASABLANCA #3211T W/B32-11 WHITE BLADES & W-32 CONTROLLER.	CONTEMPORARY "STEALTH" MODEL COMBO CEILING FAN/LIGHT FIXTURE W/ "INTELLI-TOUCH" MODEL WALL CONTROL. SNOW WHITE MOTOR & BLADE COLOR. LAMP INCLUDED.	INCLUDED (100W HAL)	1	SURFACE	CEILING
D	LIGHTOLIER #40896	32" VANITY LIGHT WITH GLOSSY WHITE HOUSING AND 4 LAMPS	60W G25	4	SURFACE	ABOVE MIRROR	BB	OWNER FURNISHED	4 LAMP 2' X 4' RECESSED GRID TROFFER PROVIDED BY OWNER.	F32/T-8	4	RECESSED	CEILING
E	LITHONIA #SM-117-120-GEB	2' SIDE MOUNTED STRIP LIGHT WITH ELECTRONIC BALLAST	F17/T-8	1	SURFACE	UNDER CABINET	CC	LITHONIA LP5V-120-3VB1	5" DIAMETER LOW VOLTAGE RECESSED DOWNLIGHT WITH BLACK MILLIGROOVE BAFFLE.	75W/MR16	1	RECESSED	CEILING
E1	LITHONIA #SM-125-120-GEB	3' SIDE MOUNTED STRIP LIGHT WITH ELECTRONIC BALLAST	F25/T-8	1	SURFACE	UNDER CABINET	DD	BROAN #161	RECESSED INFRARED HEAT LAMP	250W BR40 INFRARED	1	RECESSED	CEILING
E4	LITHONIA #SM-132-120-GEB	4' SIDE MOUNTED STRIP LIGHT WITH ELECTRONIC BALLAST	F25/T-8	1	SURFACE	UNDER CABINET		LITHONIA #ELM	SELF CONTAINED EMERGENCY LIGHT WITH MAINTENANCE FREE LEAD CALCIUM BATTERY	5.4W	2	SURFACE	80"
G	VISA #CB3030-2F13-(120V)-SA	DECORATIVE WALL SCONCE.	F13	2	WALL	REFER TO ARCH.		LITHONIA #ELM10	SELF CONTAINED EMERGENCY LIGHT WITH MAINTENANCE FREE LEAD CALCIUM BATTERY	5.4W	2	SURFACE	80"
H	CONDOR LIGHTING #56778-OPL-BT	3" DIAMETER PENDANT MOUNTED FIXTURE WITH POLISHED CHROME FINISH, MEDIUM BASE INCANDESCENT LAMP AND WHITE SHADE AND CORD	50W B1-PIN	1	PENDANT	CEILING	X1	LITHONIA #ELC-RA-ELC-RA-G	RECESSED EMERGENCY EGRESS REMOTE FIXTURE.	PAR38	1	RECESSED	CANOPY
I	LITHONIA #EJ-232-120-GEB	4' GENERAL PURPOSE STRIP LIGHT WITH ONE-PIECE REFLECTOR, HIGH-GLOSS BAKED WHITE ENAMEL FINISH, AND ELECTRONIC BALLAST	F32/T-8	2	SURFACE	CEILING	X2	LITHONIA #ELG-NX-ELA-NX	WALL MOUNTED REMOTE EGRESS FIXTURE, PROVIDE DUAL MOUNT HEADS. PROVIDE BLACK COLORED HEADS.	PAR38	2	WALL	80"
J4	LITECONTROL #2014T8-CWM-ELB SEE NOTE AT END OF SCHEDULE.	4' LENGTH CONTINUOUS PERIMETER LIGHTING WALL/SLOT SYSTEM WITH ALUMINUM RAIL, MATTE WHITE FINISH, AND ELECTRONIC BALLAST	F32/T-8	1	RECESSED	CEILING		LITHONIA #LQMSW3G-120-EL	SELF CONTAINED EMERGENCY EXIT SIGN WITH MAINTENANCE FREE LEAD CALCIUM BATTERY	LED		WALL	80"
J8	LITECONTROL #2028T8-CWM-ELB	8' LENGTH CONTINUOUS PERIMETER LIGHTING WALL/SLOT SYSTEM WITH ALUMINUM RAIL, MATTE WHITE FINISH, AND ELECTRONIC BALLAST	F32/T-8	2	RECESSED	CEILING		* COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT ON SITE. ADDITIONAL STEM WILL BE REQUIRED IN EXCESS OF THE STANDARD STEM PROVIDED WITH FIXTURE. ** THE CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL CEILING LAYOUT AND PROVIDE ALL REQUIRED END CAPS, STRAIGHT EXTENSIONS, INSIDE/OUTSIDE CORNERS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. *** COORDINATE EXACT LOCATION OF ALL TYPE 'W' FIXTURES. FIXTURES ARE INTENDED TO BE INSTALLED IN CASEWORK OR ARCHITECTURAL FEATURE. COORDINATE CLOSELY WITH ARCHITECTURAL PRIOR TO ROUGH-IN.					
K	DAY-BRITE #VIS-150-I-12-W-G	INCANDESCENT FIXTURE WITH GLASS GLOBE AND CAST GUARD	150W INC	1	WALL	IN PIT							
L	LITHONIA #AW-232-120-GEB	1'x4' ARCHITECTURAL WRAPAROUND WITH FLAT-BOTTOM ACRYLIC PRISMATIC DIFFUSER AND ELECTRONIC BALLAST	F32/T-8	2	SURFACE	CEILING							
M	LITHONIA #AW-432-120-GEB	2'x4' ARCHITECTURAL WRAPAROUND WITH FLAT-BOTTOM ACRYLIC PRISMATIC DIFFUSER AND ELECTRONIC BALLAST	F32/T-8	4	SURFACE	CEILING							
N	LITHONIA #AVSP-2/26DTT-MDR-120	DECORATIVE WALL FIXTURE WITH PERFORATED SHIELD, METAL DIFFUSER WITH ROUND HOLES AND FLUORESCENT LAMP	F26/DTT	2	SURFACE	7'2" TOP OF FIXTURE (6'8")							
O4	LITHONIA #SS-232-120-GEB	4' GENERAL PURPOSE STAGGERED STRIP LIGHT WITH HIGH-GLOSS BAKED WHITE ENAMEL FINISH	F32/T-8	2	SURFACE	SOFFIT							
O8	LITHONIA #TSS-432-120-GEB	8' TANDEM GENERAL PURPOSE STAGGERED STRIP LIGHT WITH HIGH-GLOSS BAKED WHITE ENAMEL FINISH	F32/T-8	4	SURFACE	SOFFIT							
P	TECH LIGHTING #700KVR5-05-C-12	K-VERNESE CABLE LIGHTING.	50W BI-PIN	1 PER HEAD	CABLE	REFER TO ARCH.							
Q	GARDCO #220-F-70MH-RO-WP	RECESSED CANOPY LUMINATE, WITH FRESNEL LENS, PAINTED FINISH.	70W MH	1	RECESSED	CANOPY							
R3	LITHONIA #KSE2-400S-R3-208-SPO4-DOB	PREMIUM CUTOFF AREA LIGHT WITH EXTRUDED ALUMINUM HOUSING, DARK BRONZE FINISH AND TYPE 3 DISTRIBUTION W/ #SS3-30-56 SQUARE STEEL POLE	400 HPS	1	POLE	30'							
U	LITHONIA #AF-2/42TRT-10CB-120	RECESSED COMPACT FLUORESCENT, HORIZONTAL LAMPS WITH CLEAR SPECULAR CROSS BAFFLE REFLECTOR.	F42/TRT	2	RECESSED	CEILING							
V	LITHONIA #TWAC-100M-120-DBL	WALL MOUNTED AREA CUT-OFF TYPE FIXTURE WITH BLACK FINISH.	100W/MH	1	WALL	REF ARCH							
W	SEAGULL - AMBIANCE #9485-12 W/ 9451-05 TRIM, 9461-12 TRANS., & 9774 LAMP	LOW PROFILE RECESSED DISK LIGHTING WITH CHROME EYELID TRIM, 12V 15-60W TRANSFORMER, CHROME FINISH, AND XENON LAMP	50W BI-PIN	1	SURFACE	SEE NOTE							



1 TYPICAL HEADBOLT HEATER OUTLET DETAIL
E0.1 SCALE: NTS

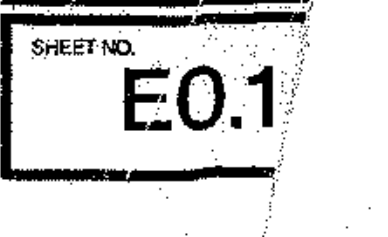
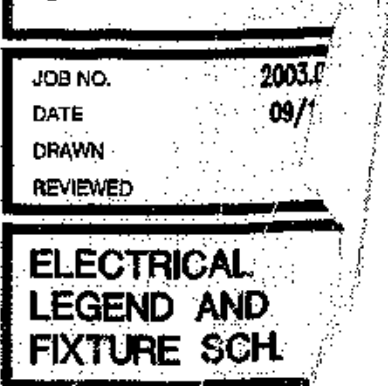
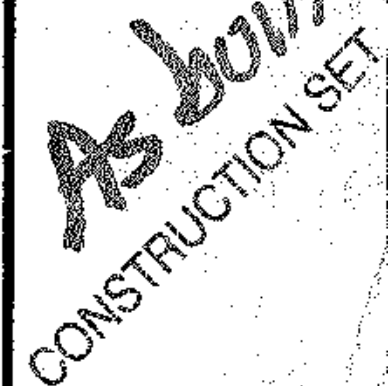
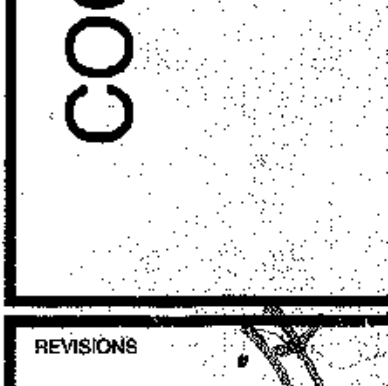
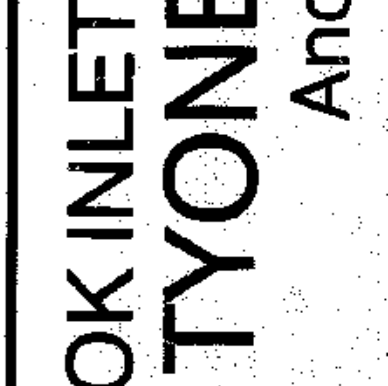
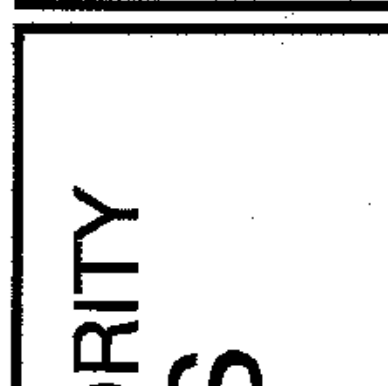
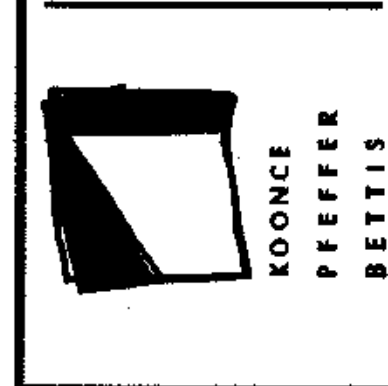
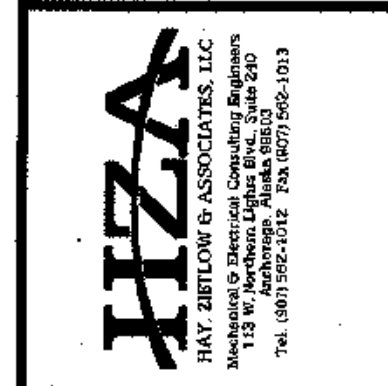
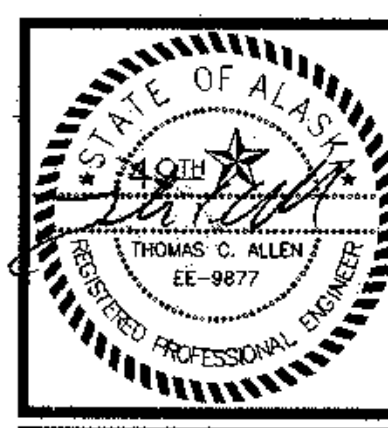
ELECTRICAL SYMBOLS LEGEND	
[Symbol]	LIGHT FIXTURE - SURFACE WALL MOUNTED
[Symbol]	LIGHT FIXTURE - SURFACE MOUNTED
[Symbol]	LIGHT FIXTURE - RECESSED MOUNTED
[Symbol]	FLUORESCENT FIXTURE - SURFACE MOUNTED 2'x4'
[Symbol]	FLUORESCENT FIXTURE - SURFACE MOUNTED 1'x4'
[Symbol]	FLUORESCENT FIXTURE - RECESS MOUNTED 1'x4'
[Symbol]	LIGHT FIXTURE - RECESSED WALL MOUNTED
[Symbol]	FLUORESCENT FIXTURE - WALL MOUNTED
[Symbol]	FLUORESCENT STRIP FIXTURE - SURFACE MOUNTED
[Symbol]	COMBINATION FAN-LIGHT
[Symbol]	POLE MOUNTED AREA LIGHT
[Symbol]	EXIT LIGHT - CEILING MOUNTED
[Symbol]	EXIT LIGHT - WALL MOUNTED
[Symbol]	SELF-CONTAINED EMERGENCY LIGHT
[Symbol]	FIXTURE IDENTIFICATION (LETTER INDICATES TYPE)
[Symbol]	SINGLE POLE SWITCH
[Symbol]	DIMMER SWITCH
[Symbol]	THREE WAY SWITCH AND FOUR WAY SWITCH
[Symbol]	CONDUIT, CONCEALED
[Symbol]	NUMBER AND SIZE OF WIRES (NO SLASHES = 3#12) HOMERUN TO PANEL (PANEL AND CIRCUIT No.)
[Symbol]	INDICATES BEGINNING OF CIRCUIT
[Symbol]	NOTE TAG (No. INDICATES NOTE)
[Symbol]	NL NIGHT LIGHT
[Symbol]	WP WEATHERPROOF
[Symbol]	GF GROUND FAULT CIRCUIT INTERRUPTER
[Symbol]	MOTION SENSOR
[Symbol]	PANEL
[Symbol]	DUPLEX RECEPTACLE
[Symbol]	GROUND FAULT CURRENT INTERRUPTER RECEPTACLE
[Symbol]	QUADRAPLEX RECEPTACLE
[Symbol]	SINGLE RECEPTACLE
[Symbol]	SPECIAL PURPOSE RECEPTACLE
[Symbol]	JUNCTION BOX
[Symbol]	FLOOR MOUNTED DEVICE (DUPLEX REC. SHOWN)
[Symbol]	DISCONNECT SWITCH
[Symbol]	FUSED DISCONNECT SWITCH
[Symbol]	COMBINATION MOTOR STARTER DISCONNECT
[Symbol]	FRACTIONAL HP MOTOR SWITCH
[Symbol]	MOTOR
[Symbol]	TELEPHONE OUTLET
[Symbol]	FA SMOKE DETECTOR
[Symbol]	FA HEAT DETECTOR (FIXED TEMP. NOTED)
[Symbol]	FA HORN STROBE
[Symbol]	FA "MINI" HORN
[Symbol]	FA MANUAL PULL STATION
[Symbol]	BELL
[Symbol]	STROBE
[Symbol]	CAMERA
[Symbol]	FIRE SMOKE DAMPER
[Symbol]	TELEVISION OUTLET
[Symbol]	UNDERGROUND ELECTRICAL
[Symbol]	MOTION SENSOR
[Symbol]	DOOR CONTACTS

*Kramer Electrical
Red Line Drawings*

1 Cook Inlet
Lighting
3510 Seward Rd. Ste. 100 Anchorage, AK 99503 (907) 792-3000

NAME OR TYPE OF PROJECT
Tyonek Terrace
Electrical

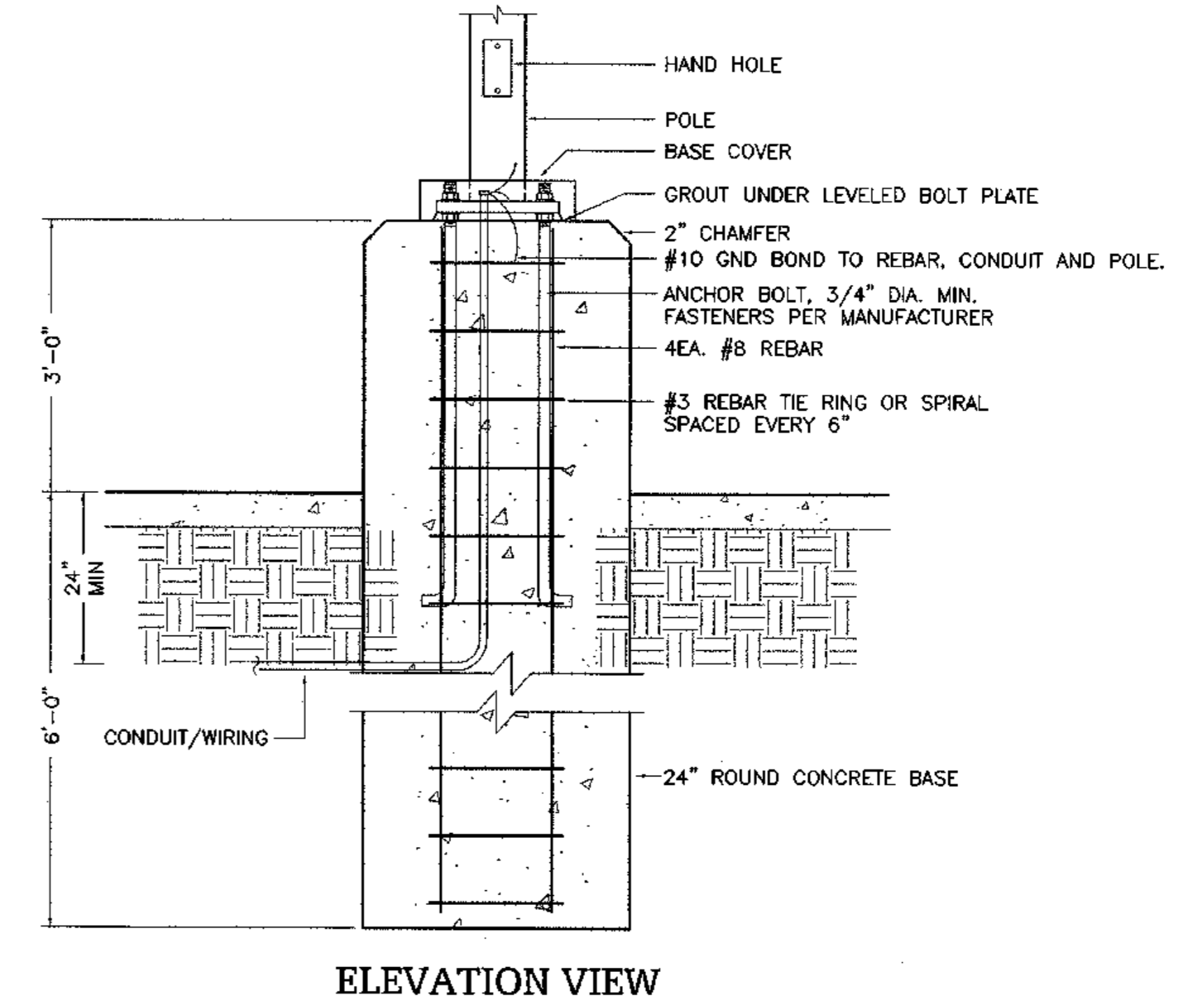
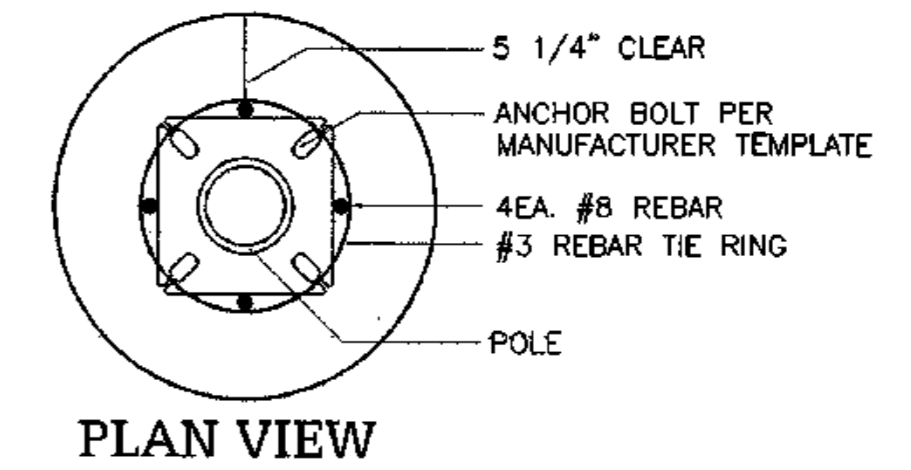
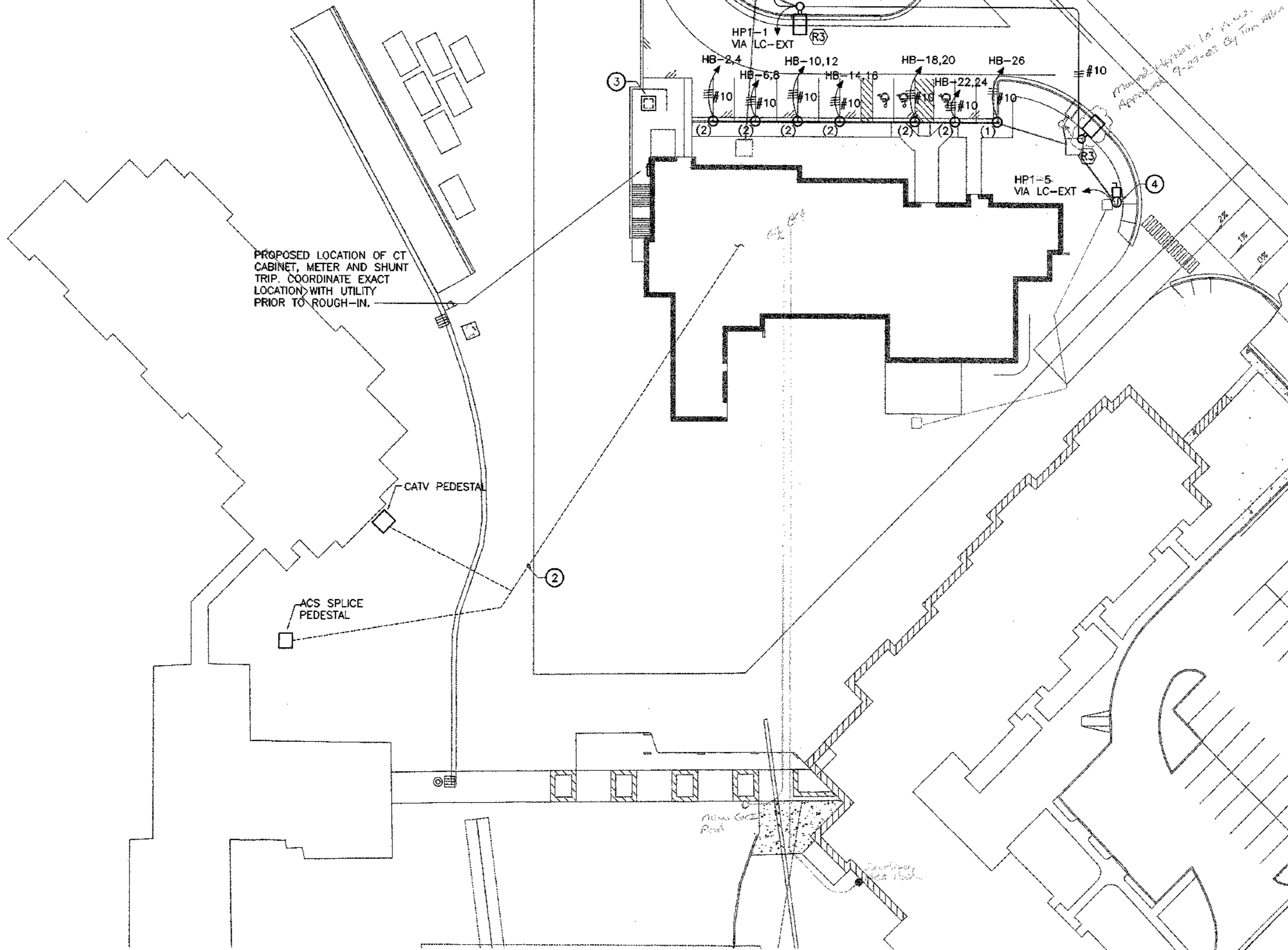
TYPE & DATE OF PLANS
As-Built
September 15, 2003 34x26 26 Pages



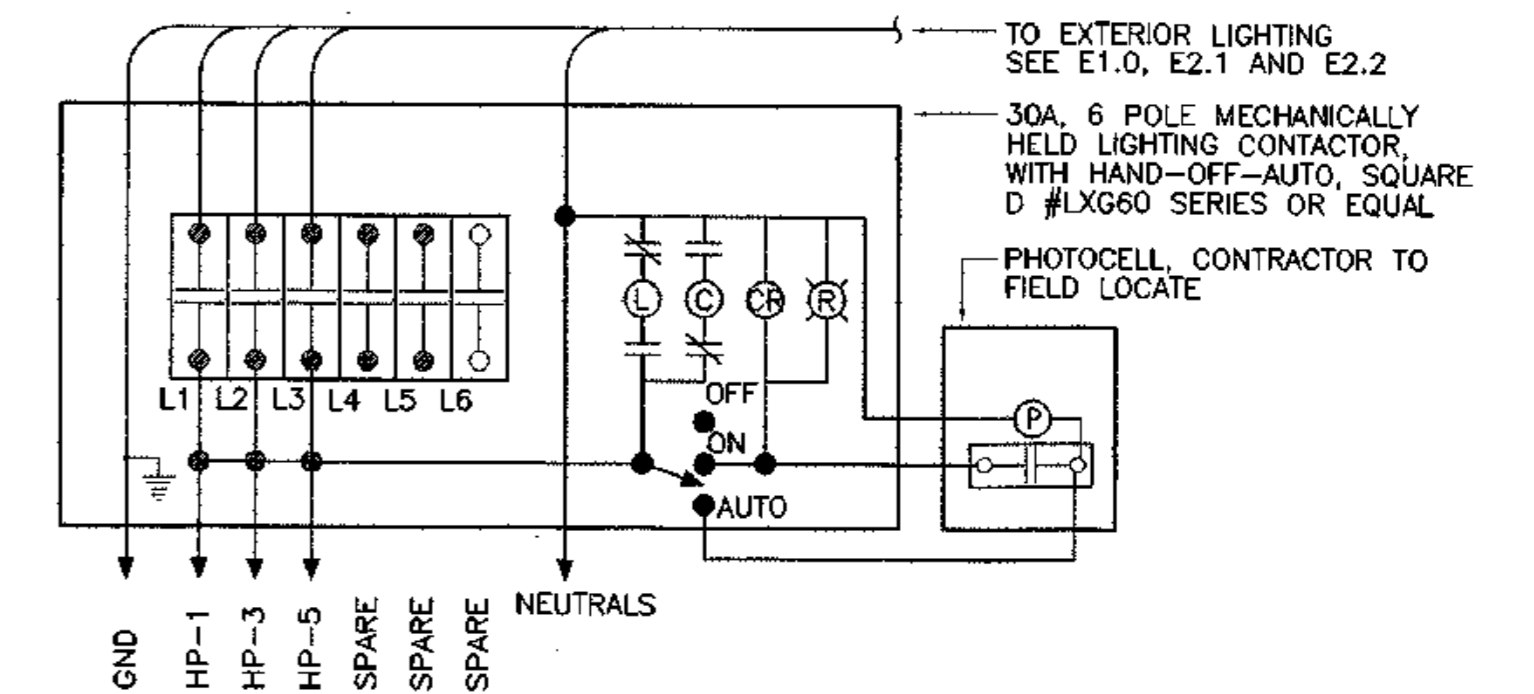
SITE LIGHTING ANALYSIS FOR OPEN PARKING LOT	
CLASSIFICATION: BASIC ACTIVITY	
RECOMMENDED ILLUMINATION LEVEL (IES HANDBOOK FIGURE 22-21)	
MINIMUM HORIZONTAL ILLUMINATION	0.2 fc
UNIFORMITY RATIO (MAX:MIN)	20:1
MINIMUM VERTICAL ILLUMINATION	0.1 fc
DESIGNED ILLUMINATION LEVELS	
MINIMUM HORIZONTAL ILLUMINATION	0.5 fc
UNIFORMITY RATIO (MAX:MIN)	11.2:1
MINIMUM VERTICAL ILLUMINATION	0.1 fc

THE PARKING AREA LIGHTING IS DESIGNED TO PREVENT GLARE TO MOTORISTS ON PUBLIC STREETS AND TO RESIDENTS OF ADJOINING PROPERTIES. THE PARKING AREA LIGHTING ALSO MEETS THE LEVEL OF ILLUMINATION, UNIFORMITY RATIOS AND MINIMUM LUMEN INTENSITIES SPECIFIED IN THE ILLUMINATION GUIDELINES SET BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA, CURRENT EDITION, AND AMC TITLE 21.45.080.W.4.e.

HEADBOLT HEATER
TYPICAL, SEE 1/E0.1



2 TYPICAL POLE BASE DETAIL
E1.0 SCALE: NTS

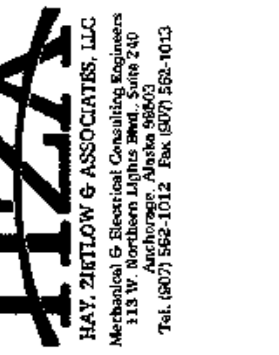


3 LIGHTING CONTACTOR DETAIL (LC-EXT)
E1.0 SCALE: NTS

SHEET NOTES

- ALL EXTERIOR LIGHTING AND POWER BRANCH CIRCUITS SHALL UTILIZE 3/4" CONDUIT AND #10 CONDUCTORS UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL COORDINATE WITH OWNER CHOSEN TELEPHONE COMPANY AND CATV COMPANY AND INSTALL A 2-4" PVC DUCT (WITH PULL STRINGS) FROM INTERIOR MAIN TELEPHONE BACKBOARD AND CATV CABINET TO TELEPHONE UTILITY PEDESTAL AND CABLE COMPANY PEDESTAL. ROUTING AS SHOWN IS SCHEMATIC, COORDINATE EXACT ROUTING AND REQUIREMENTS WITH UTILITIES.
- PROPOSED LOCATION OF UTILITY TRANSFORMER. COORDINATE WITH UTILITY COMPANY IMMEDIATELY UPON PROJECT INCEPTION.
- JUNCTION BOX AND DISCONNECT FOR CONNECTION TO SIGN. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.

1 ELECTRICAL SITE LIGHTING AND POWER PLAN
E1.0 SCALE: 1" = 30'



COOK INLET HOUSING AUTHORITY
TYONEK TERRACES
Anchorage, Alaska

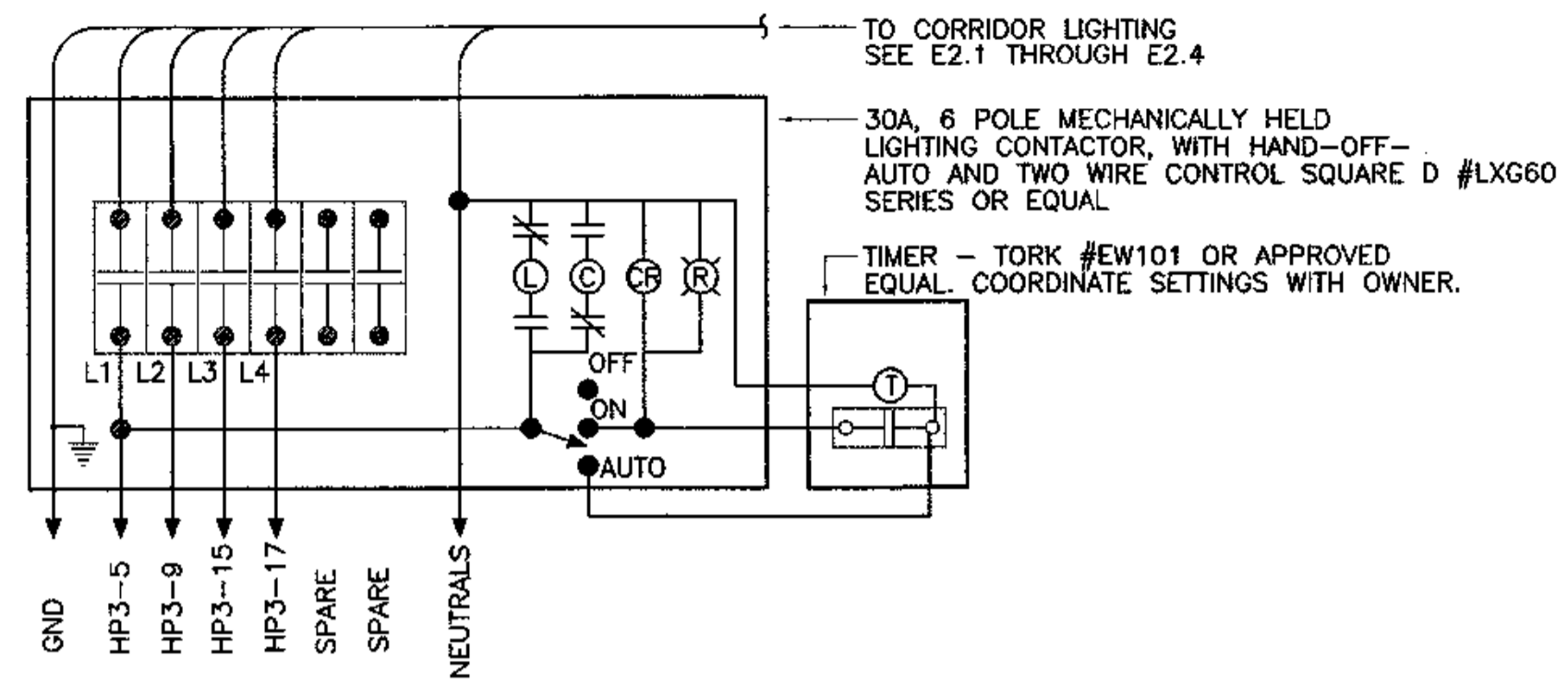
REVISIONS

CONSTRUCTION SET

JOB NO. 2003.028.0
DATE 09/15/03
DRAWN AMH
REVIEWED TCA

ELECTRICAL
SITE LIGHTING
& POWER PLAN

SHEET NO. E1.0



1 LIGHTING CONTACTOR DETAIL LC-1
E2.0 SCALE: NTS



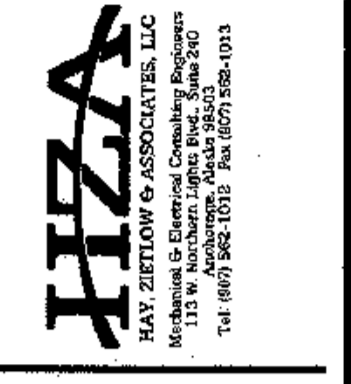
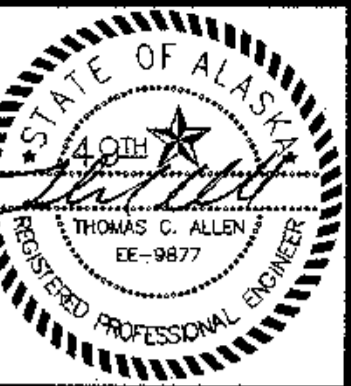
COOK INLET HOUSING AUTHORITY
TYONEK TERRACES
Anchorage, Alaska

REVISIONS
CONSTRUCTION SET

JOB NO. 2003.025.0
DATE 09/15/03
DRAWN AMH
REVIEWED TCA

LIGHTING CONTACTOR DETAILS

SHEET NO. E2.0



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TYONEK TERRACES**
Anchorage, Alaska

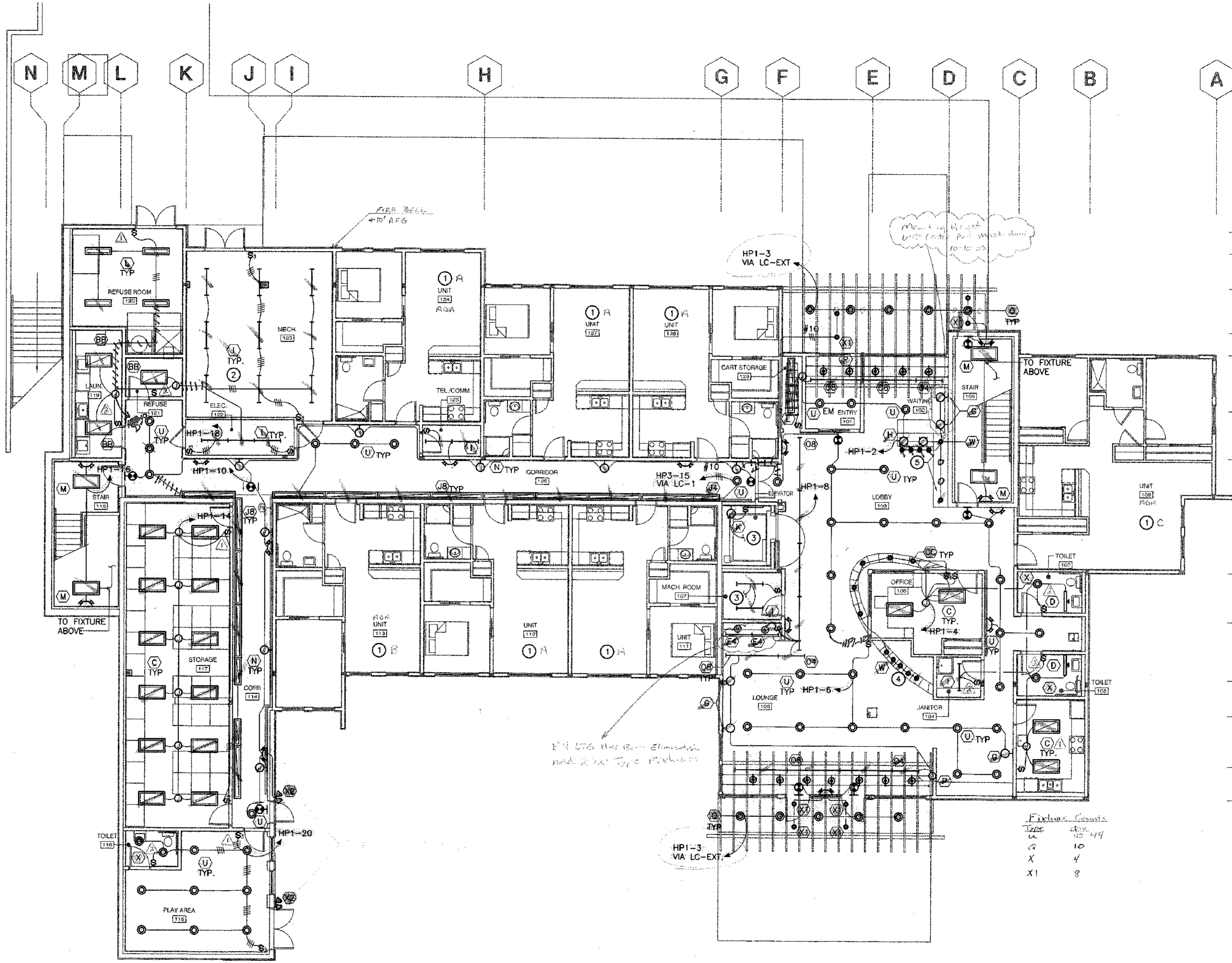
REVISIONS

1	As per comments
2	As per comments
3	As per comments
4	As per comments
5	As per comments
6	As per comments
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9	As per comments
10	As per comments
11	As per comments
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14	As per comments

JOB NO.	2003028.0
DATE	09/15/03
DRAWN	BHB
REVIEWED	TJA

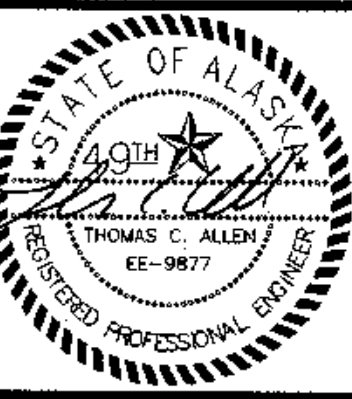
FIRST FLOOR LIGHTING PLAN

SHEET NO. E2.1



- SHEET NOTES**
- SEE ENLARGED PLANS ON E2.5, E2.6 AND E2.7 FOR UNIT LIGHTING LAYOUTS.
 - COORDINATE INSTALLATION OF TYPE 'W' FIXTURES WITH ARCHITECTURAL SOFFIT AND CABINETS IN LOBBY AND LOUNGE AREA.
 - CONNECT TO DUPLEX RECEPTACLE OUTLET. SEE 2/E3.0.
 - LOCATE 'W' FIXTURES IN ARCHITECTURAL BUILT UP BOXES, SEE DETAILS ON A8.7
 - LOCATE 'W' FIXTURES IN ARCHITECTURAL BUILT UP BOXES, COORDINATE ROUTING OF CONDUCTORS WITH GENERAL, SEE DETAILS ON A8.6

1 FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"



**COOK INLET HOUSING AUTHORITY
TYONEK TERRACES**
Anchorage, Alaska

REVISIONS	
1	As per construction set
2	CRS/MLD

CONSTRUCTION SET

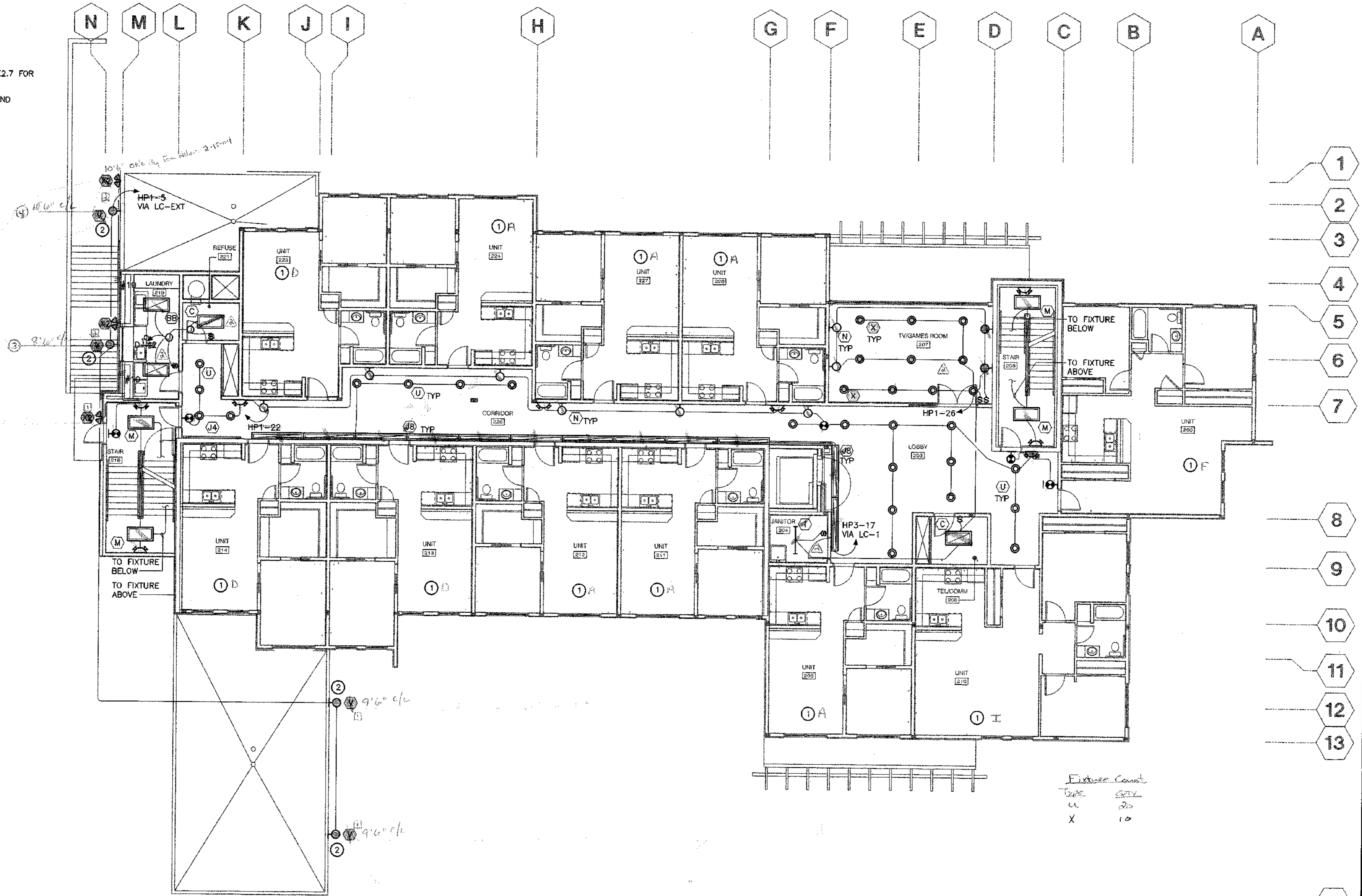
JOB NO.	2003.026.0
DATE	09/15/03
DRAWN	BMB
REVIEWED	TCA

SECOND FLOOR LIGHTING PLAN

SHEET NO.
E2.2

SHEET NOTES

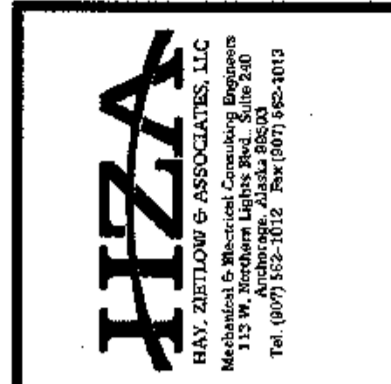
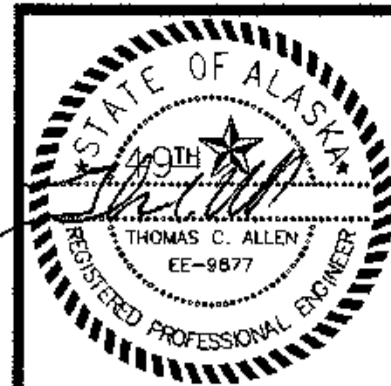
- SEE ENLARGED PLANS ON E2.5, E2.6 AND E2.7 FOR UNIT LIGHTING LAYOUTS.
- COORDINATE THE EXACT MOUNTING HEIGHT AND LOCATION OF THESE FIXTURES WITH THE ARCHITECTURAL ELEVATIONS.
- 8'6" C/L 10-12-03
- 10'6" C/L 2-9-04 (MOUNT HANG)



Fixture Count	
Type	Count
u	20
x	10

1 SECOND FLOOR LIGHTING PLAN
E2.2 SCALE: 1/8" = 1'-0"

□ Common Area Subsequent
□ Private Subsequent



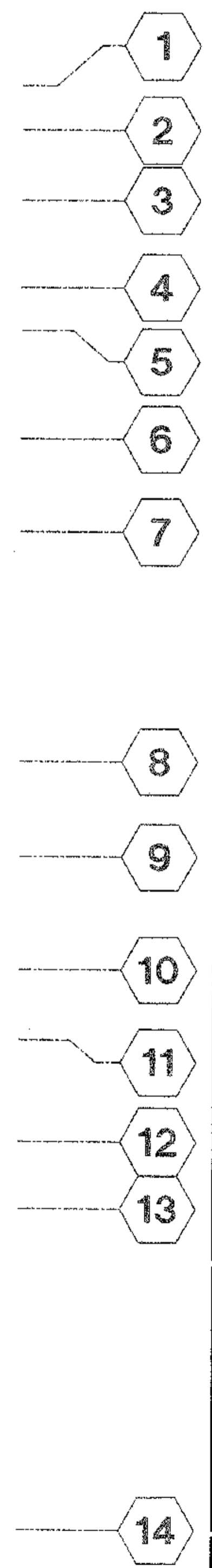
**COOK INLET HOUSING AUTHORITY
TYONEK TERRACES**
Anchorage, Alaska

REVISIONS
2003.02.0
2003.12.20
CONSTRUCTION SET

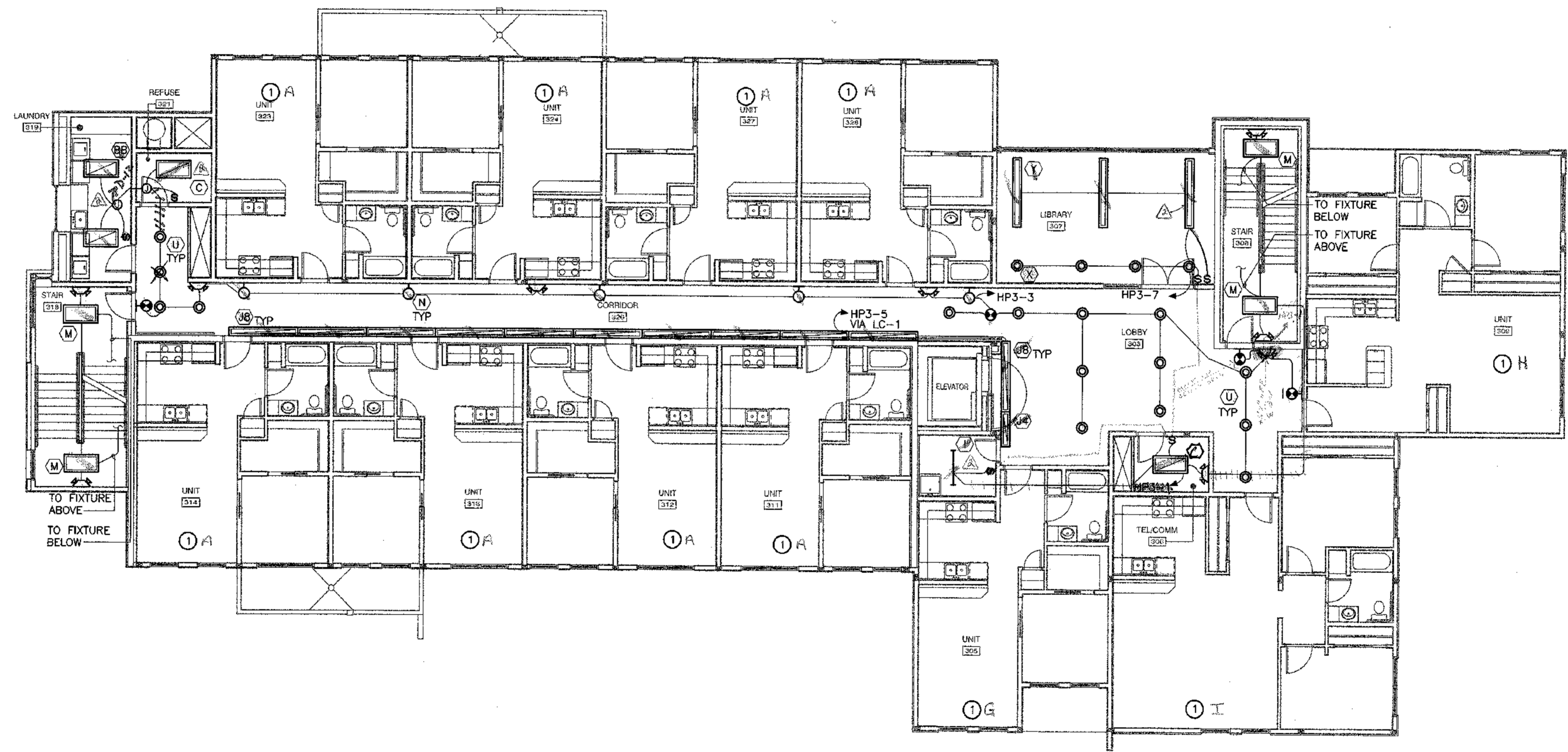
JOB NO. 2003.028.0
DATE 09/15/03
DRAWN BAF
REVIEWED TCA

**THIRD FLOOR
LIGHTING PLAN**

SHEET NO.
E2.3



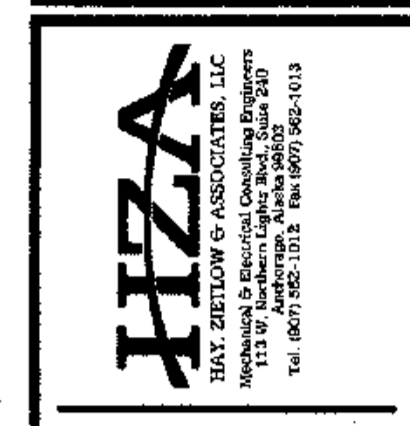
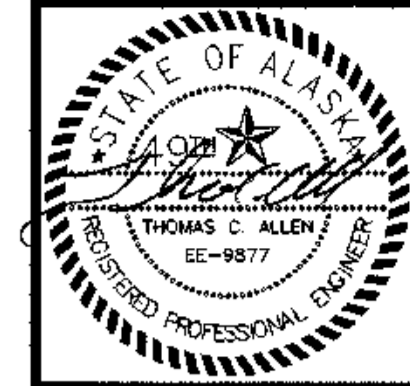
SHEET NOTES
① SEE ENLARGED PLANS ON E2.5, E2.6 AND E2.7 FOR UNIT LIGHTING LAYOUTS.



Fixture Count

Type	Qty
LC	15
X	4

1 THIRD FLOOR LIGHTING PLAN
E2.3 SCALE: 1/8" = 1'-0"



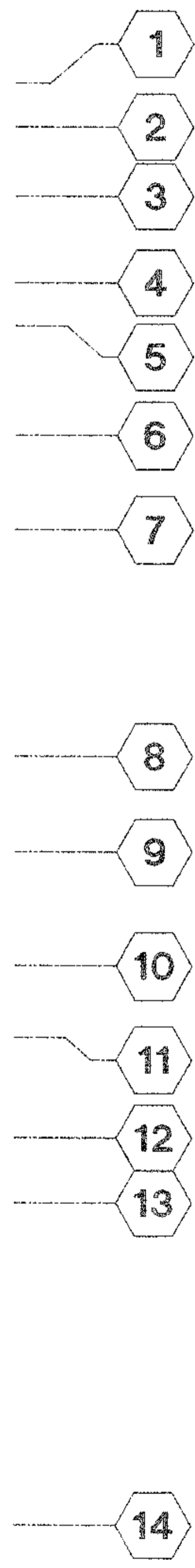
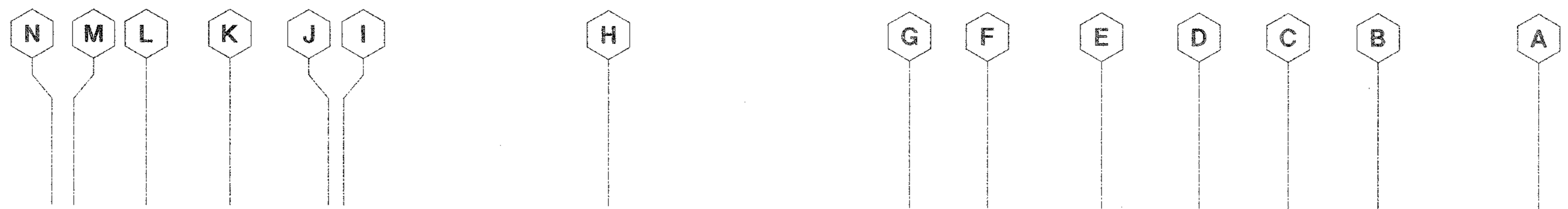
**COOK INLET HOUSING AUTHORITY
TYONEK TERRACES
Anchorage, Alaska**

REVISIONS	
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2	As per construction set

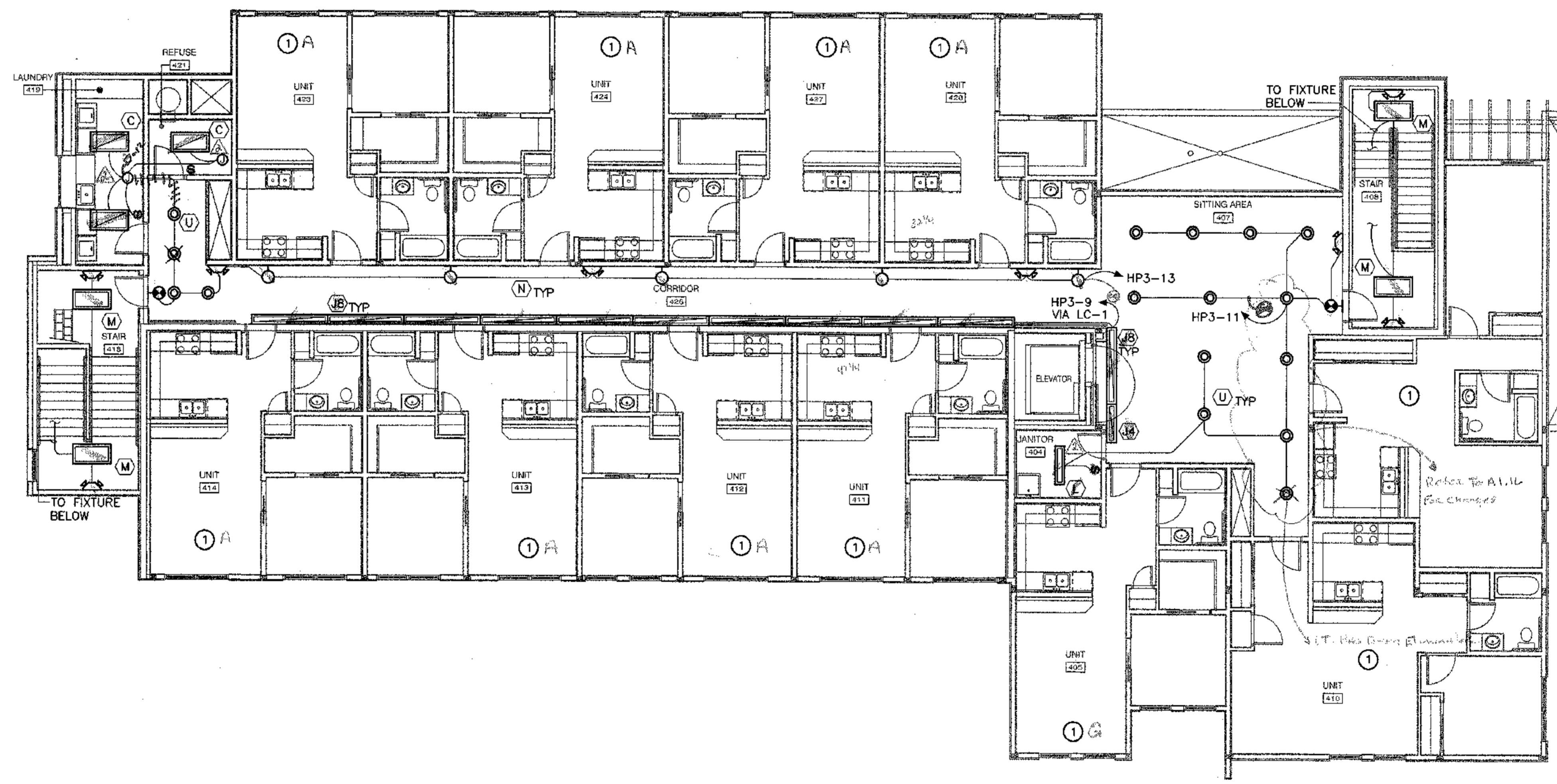
JOB NO.	2003.028.0
DATE	09/15/03
DRAWN	BAB
REVIEWED	TCA

**FOURTH FLOOR
LIGHTING PLAN**

SHEET NO.
E2.4

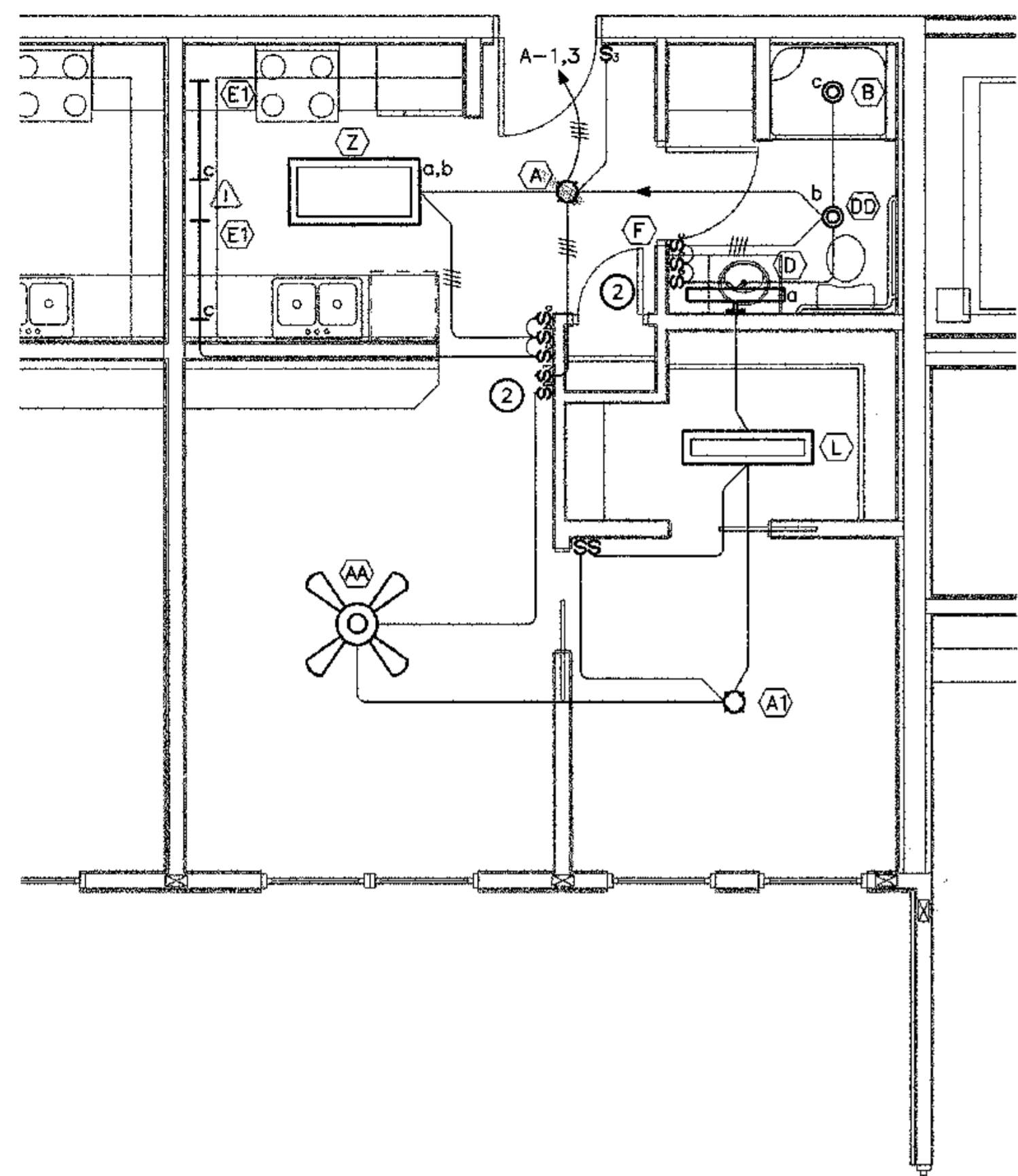


- SHEET NOTES**
- ① SEE ENLARGED PLANS ON E2.5, E2.6 AND E2.7 FOR UNIT LIGHTING LAYOUTS.
 - ② SEE SINGLE LINE DIAGRAM FOR FEEDER SIZES.

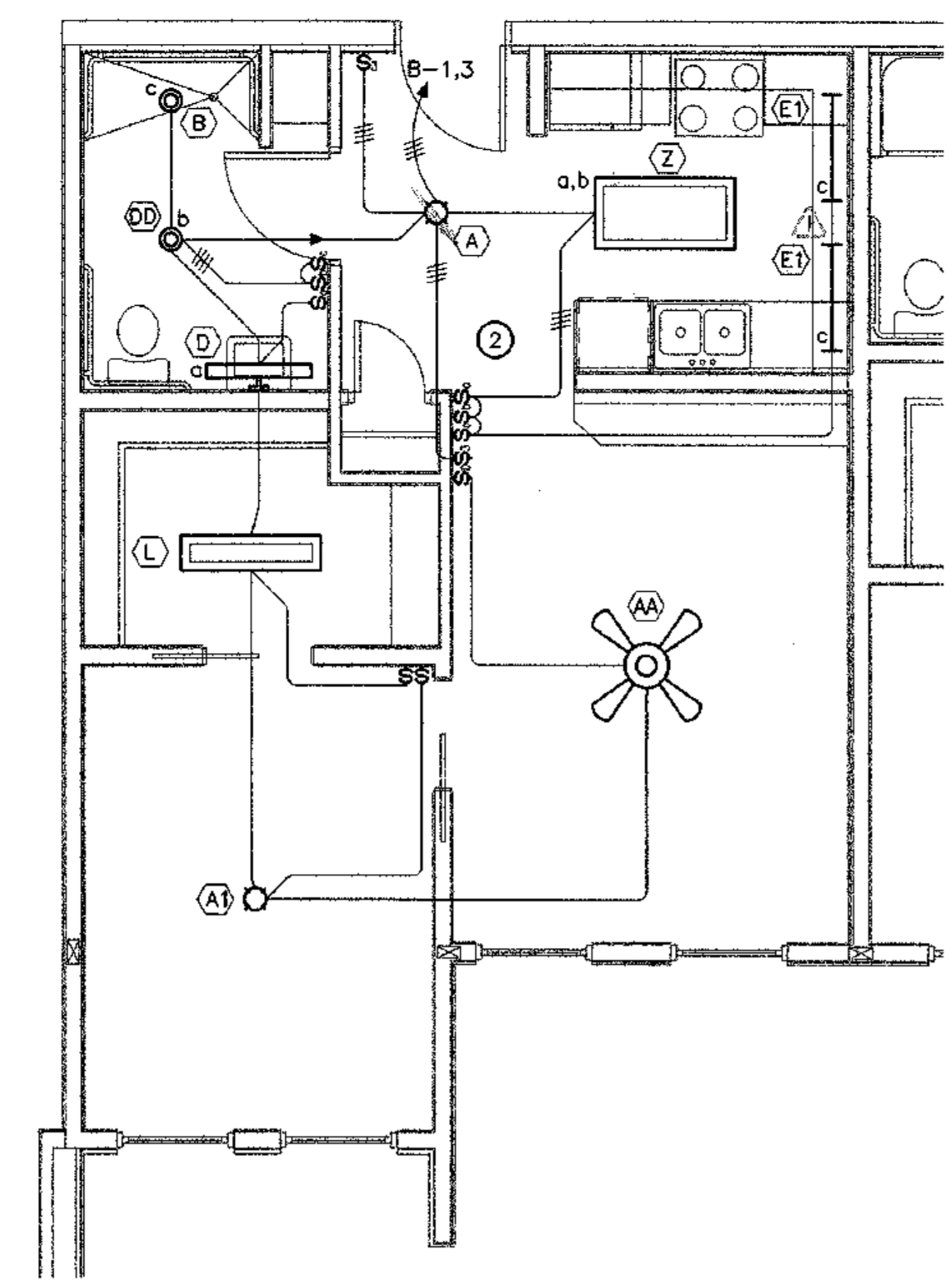


Fixture Count
Type: U
Count: 15

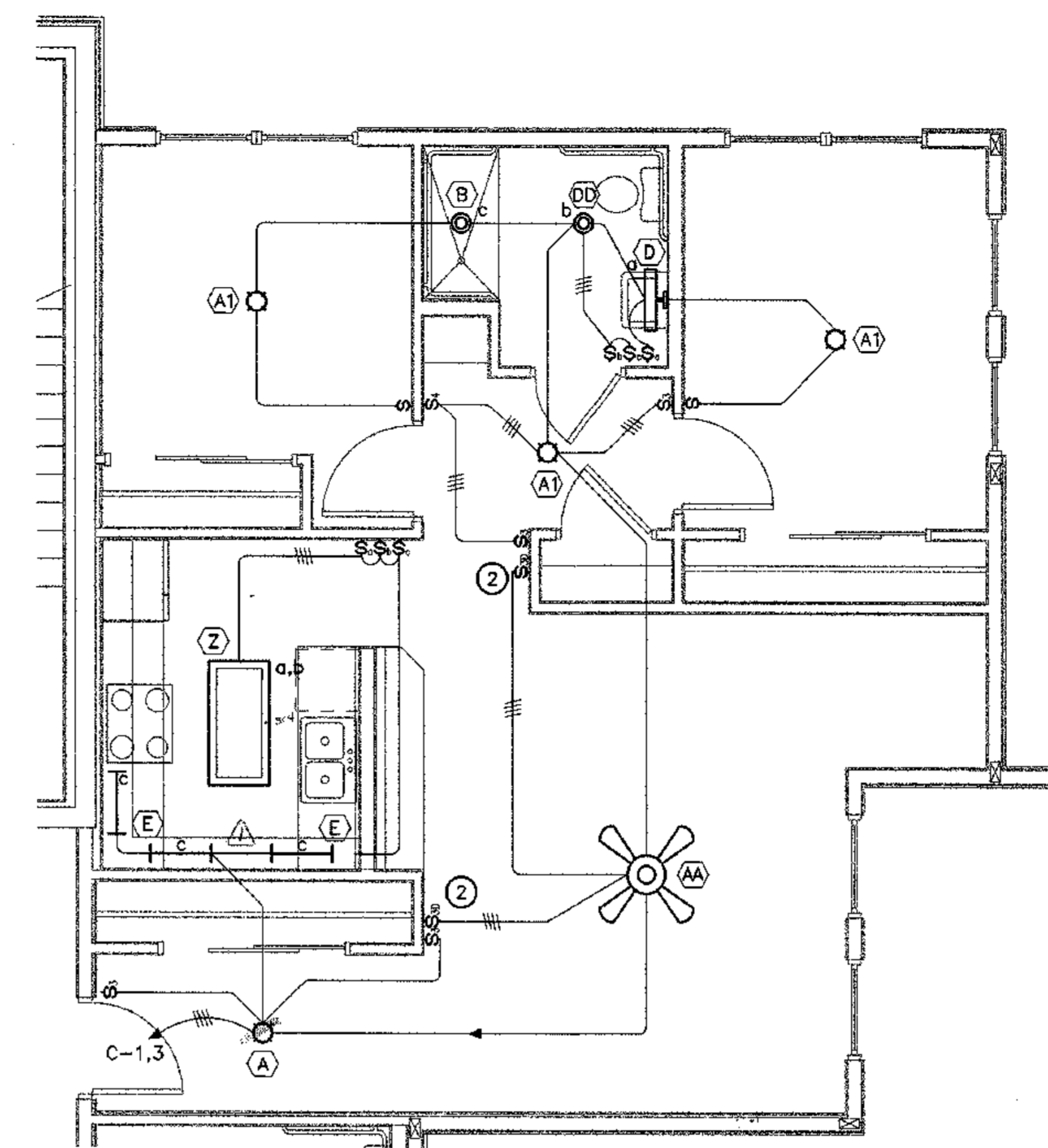
1 FOURTH FLOOR LIGHTING PLAN
E2.4 SCALE: 1/8" = 1'-0"



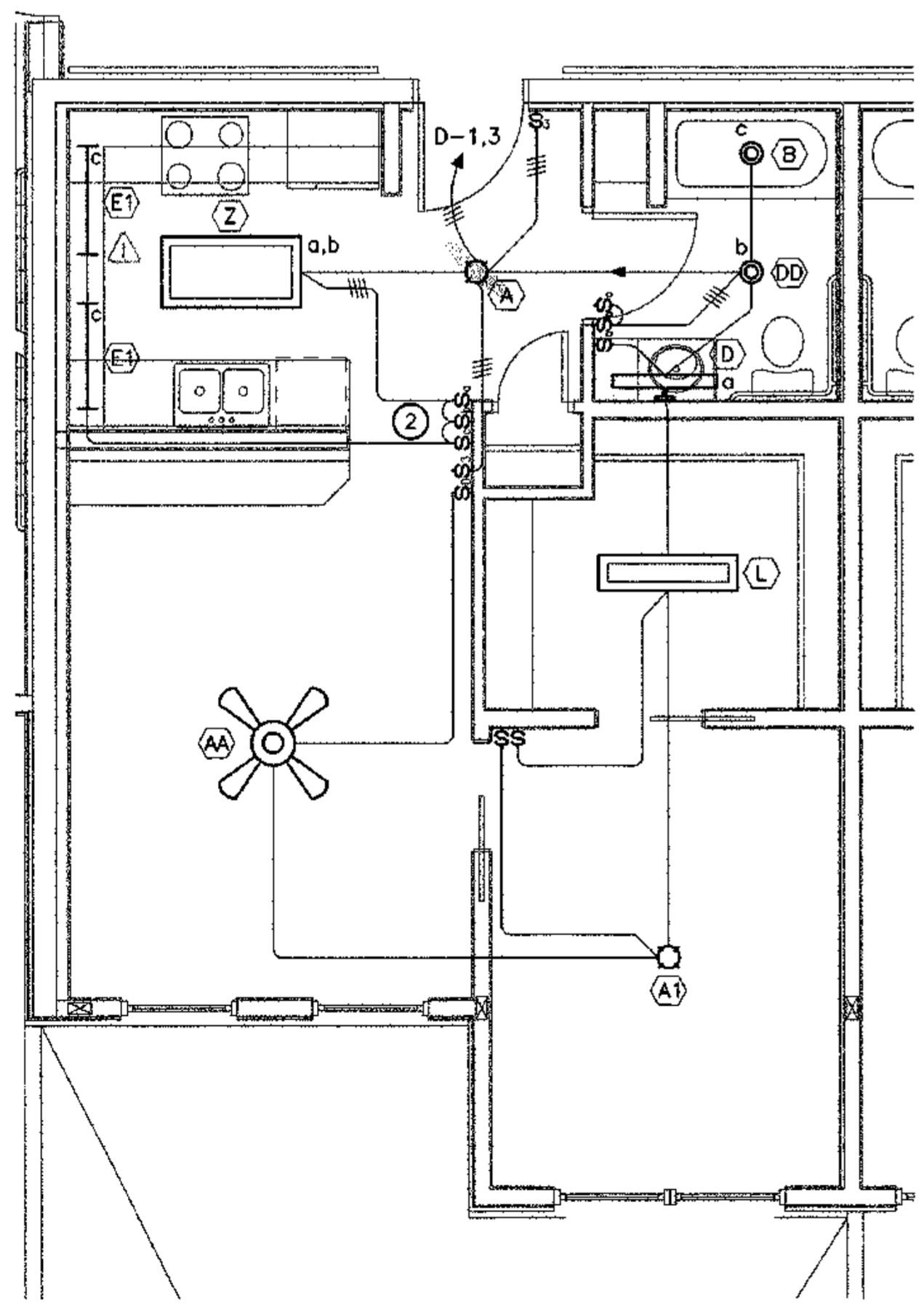
1 LIGHTING PLAN - TYPICAL UNIT 'A'
E2.5 SCALE: 1/4" = 1'-0"



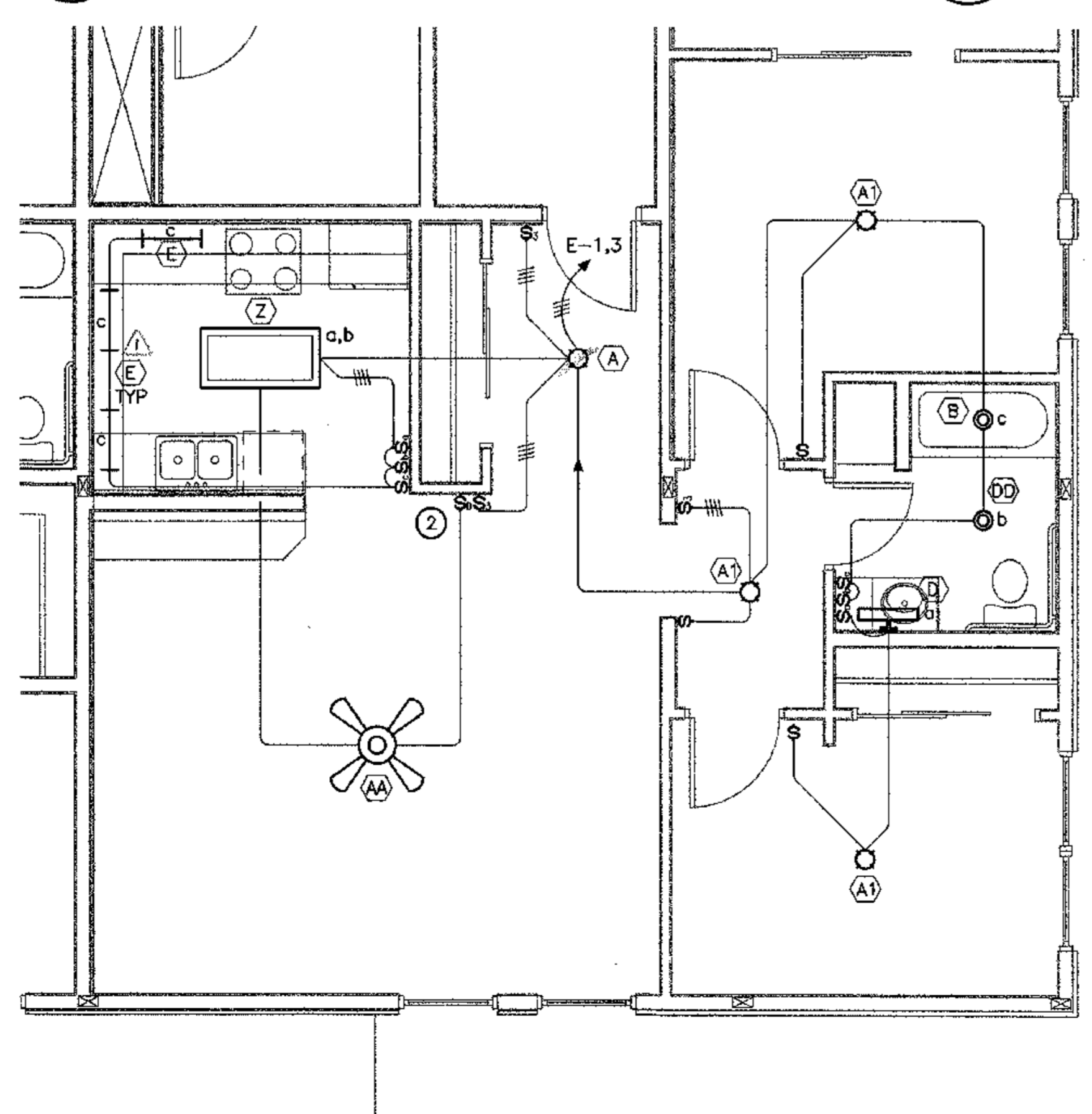
2 LIGHTING PLAN - TYPICAL UNIT B
E2.5 SCALE: 1/4" = 1'-0"



3 LIGHTING PLAN - TYPICAL UNIT C
E2.5 SCALE: 1/4" = 1'-0"



4 LIGHTING PLAN - TYPICAL UNIT D
E2.5 SCALE: 1/4" = 1'-0"

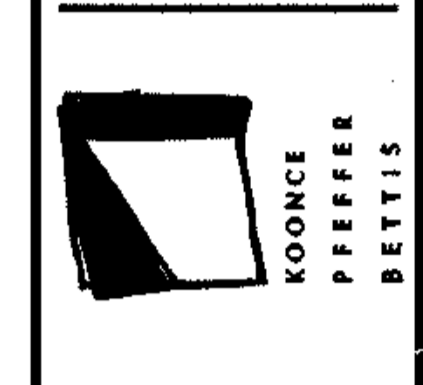
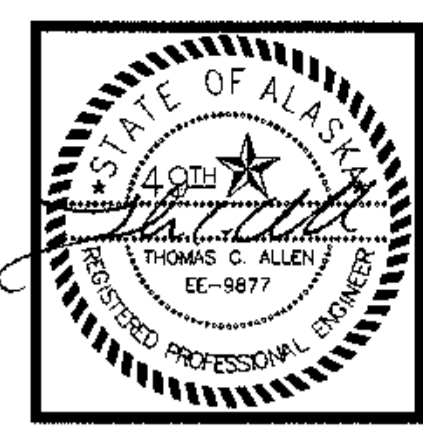


5 LIGHTING PLAN - TYPICAL UNIT E
E2.5 SCALE: 1/4" = 1'-0"

SHEET NOTES

1. SEE E2.0 THROUGH E2.6 FOR CIRCUIT NUMBERS.
2. CEILING FAN SPEED & DIMMER CONTROL, CASABLANCA #W-32.

⚠ Under Cabinet Lighting Has Been Eliminated (Refer To REF # 22)



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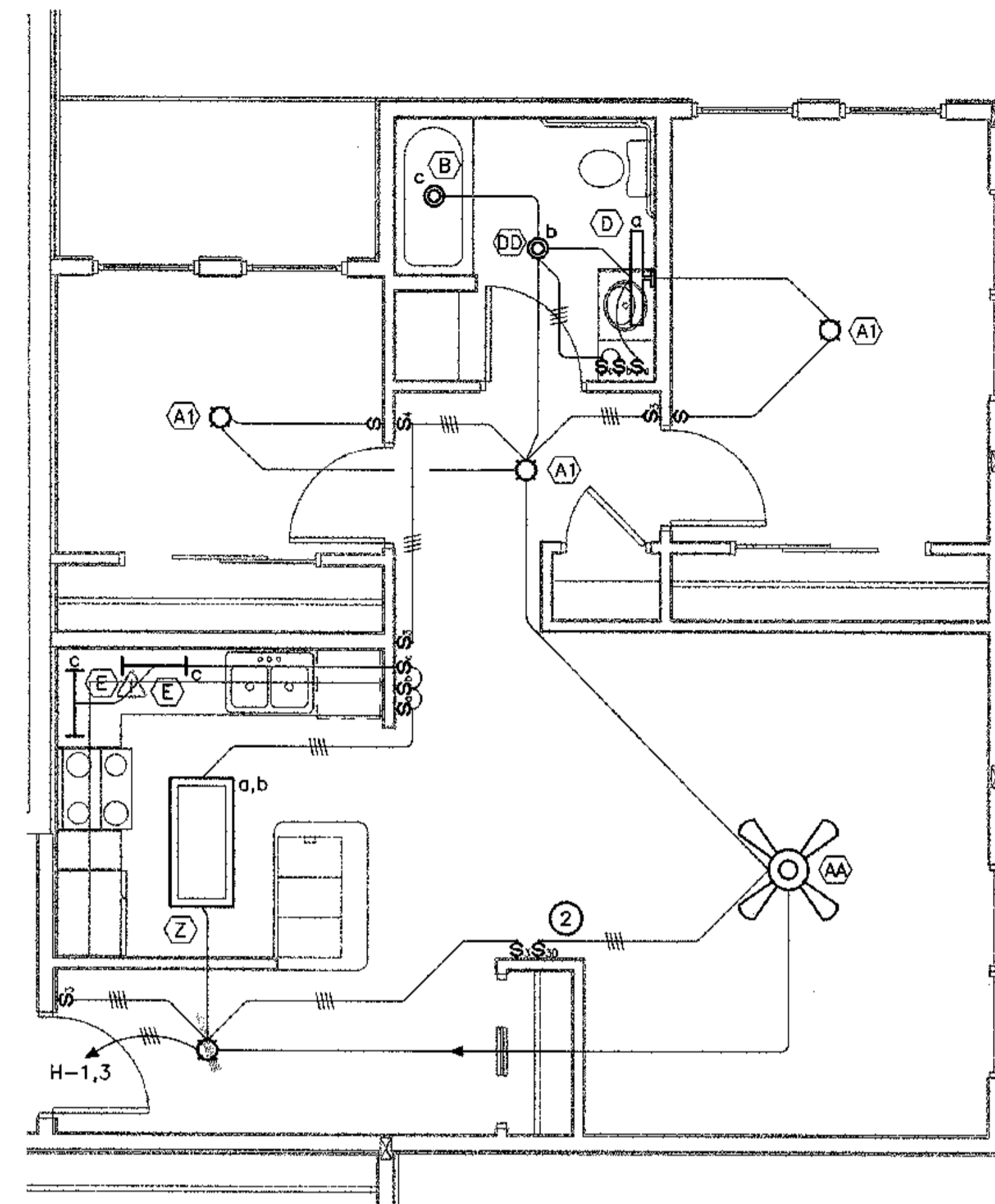
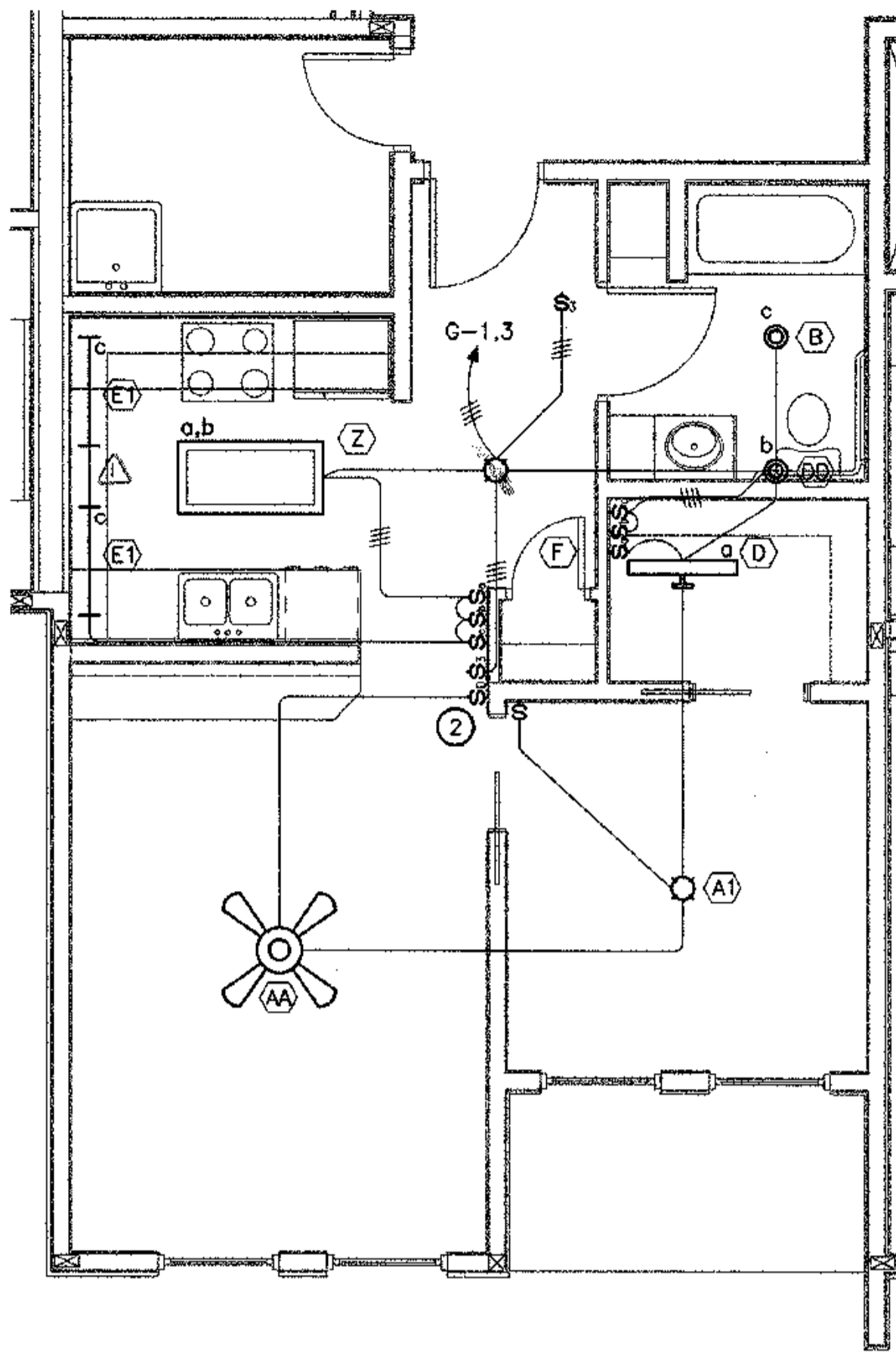
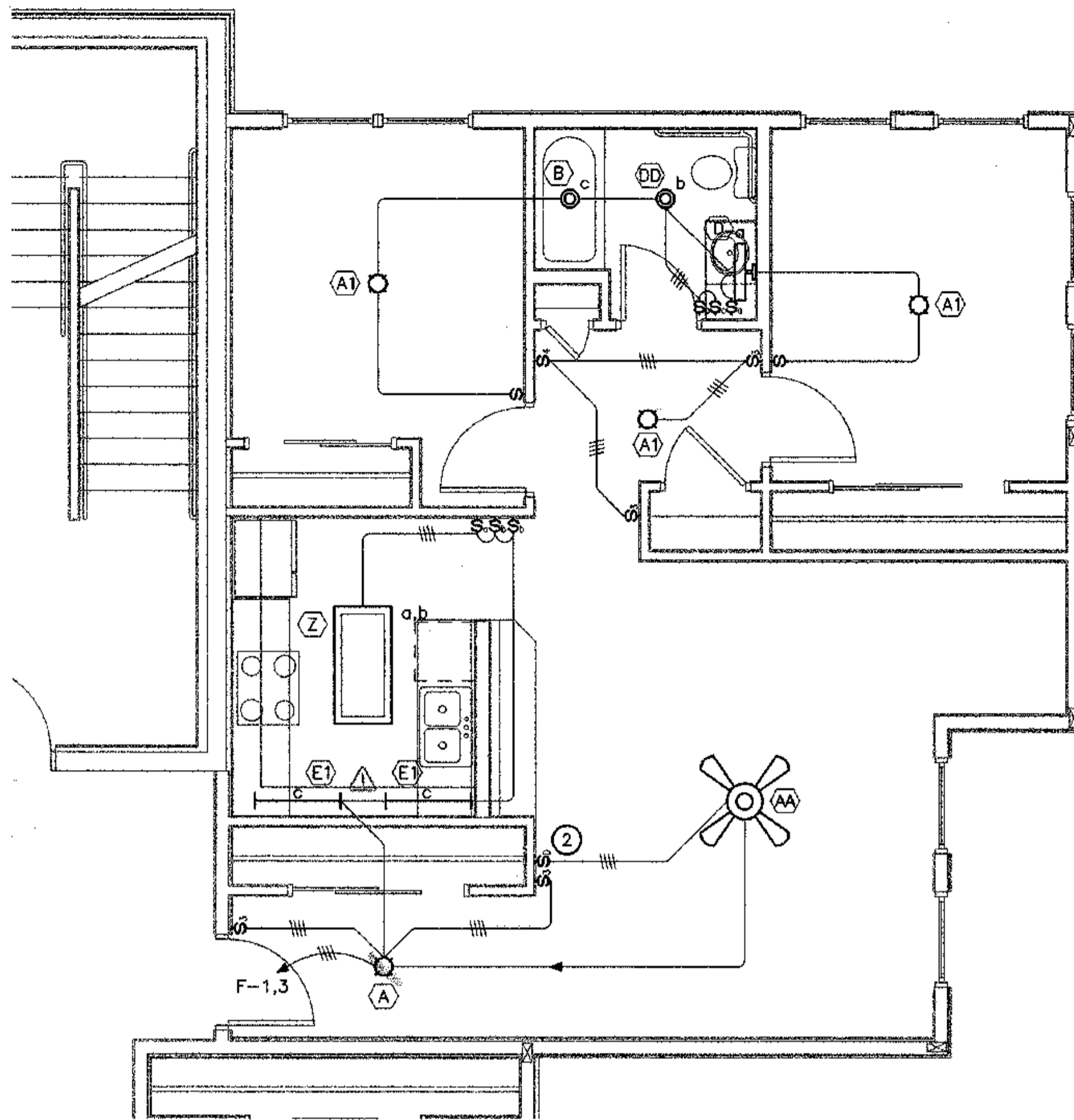
REVISIONS

CONSTRUCTION SET

JOB NO. 2003.026.0
 DATE 09/15/03
 DRAWN BAB
 REVIEWED TCA

LIGHTING PLAN
TYPICAL UNITS

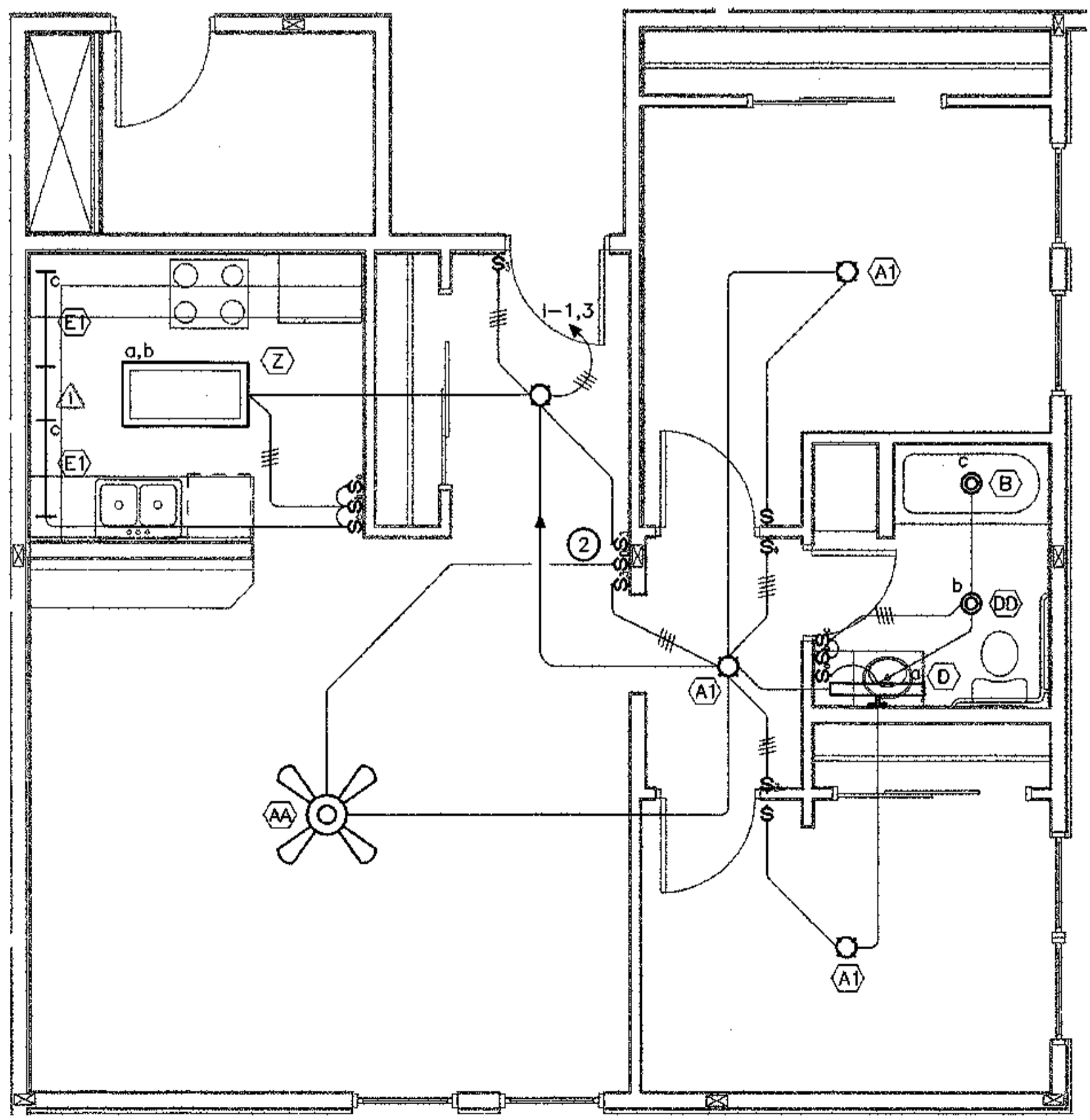
SHEET NO.
E2.5



1 LIGHTING PLAN - TYPICAL UNIT F
E2.6 SCALE: 1/4" = 1'-0"

2 LIGHTING PLAN - TYPICAL UNIT G
E2.6 SCALE: 1/4" = 1'-0"

3 LIGHTING PLAN - TYPICAL UNIT H
E2.6 SCALE: 1/4" = 1'-0"

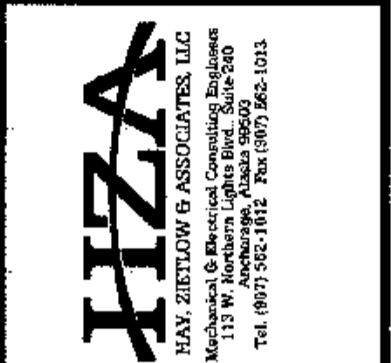


4 LIGHTING PLAN - TYPICAL UNIT I
E2.6 SCALE: 1/4" = 1'-0"

SHEET NOTES

1. SEE E2.0 THROUGH E2.6 FOR CIRCUIT NUMBERS.
2. CEILING FAN SPEED & DIMMER CONTROL, CASABLANCA #W-32.

Ⓜ (Under Cabinet Lighting Has Been Eliminated. (Refer To RFI #28))



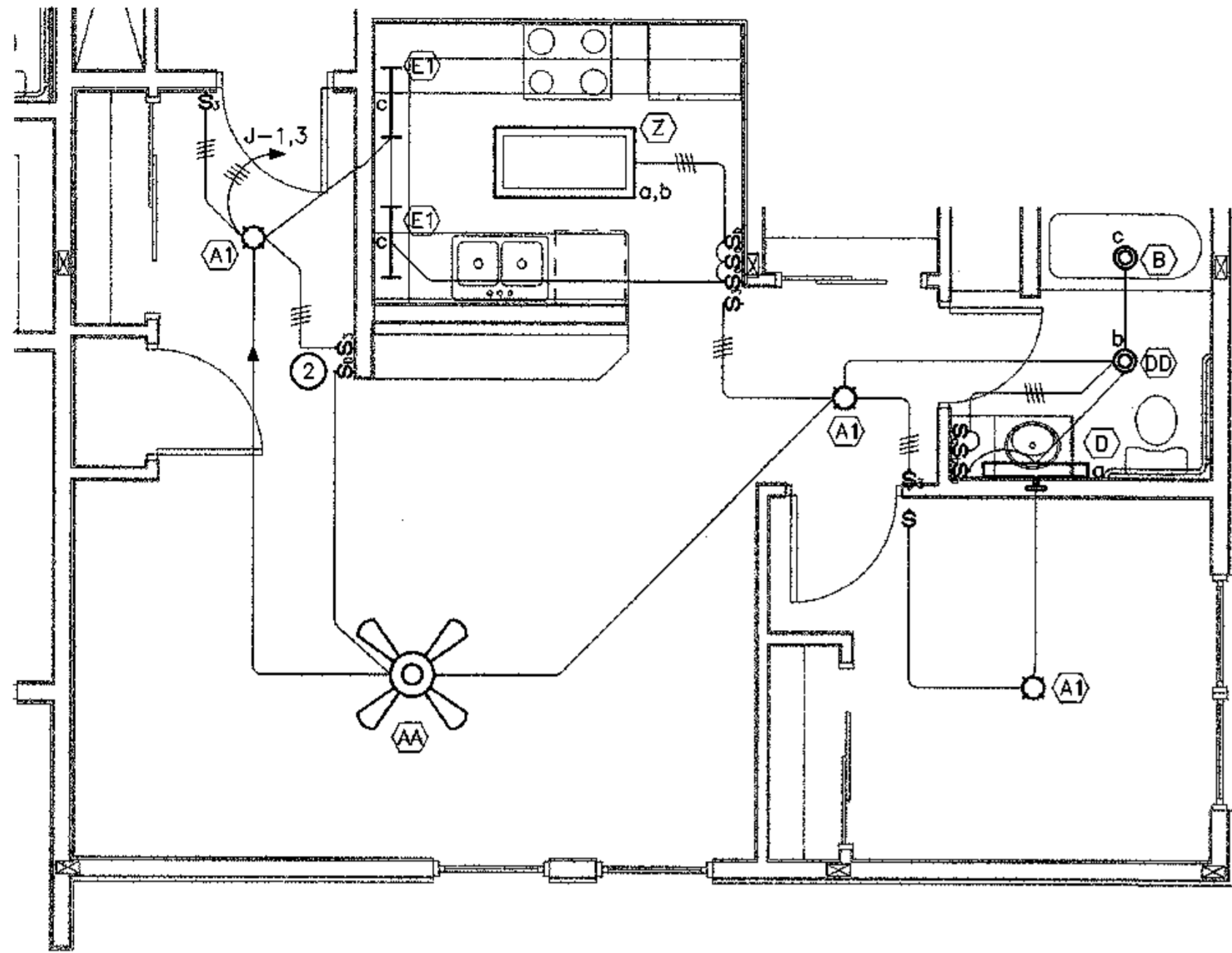
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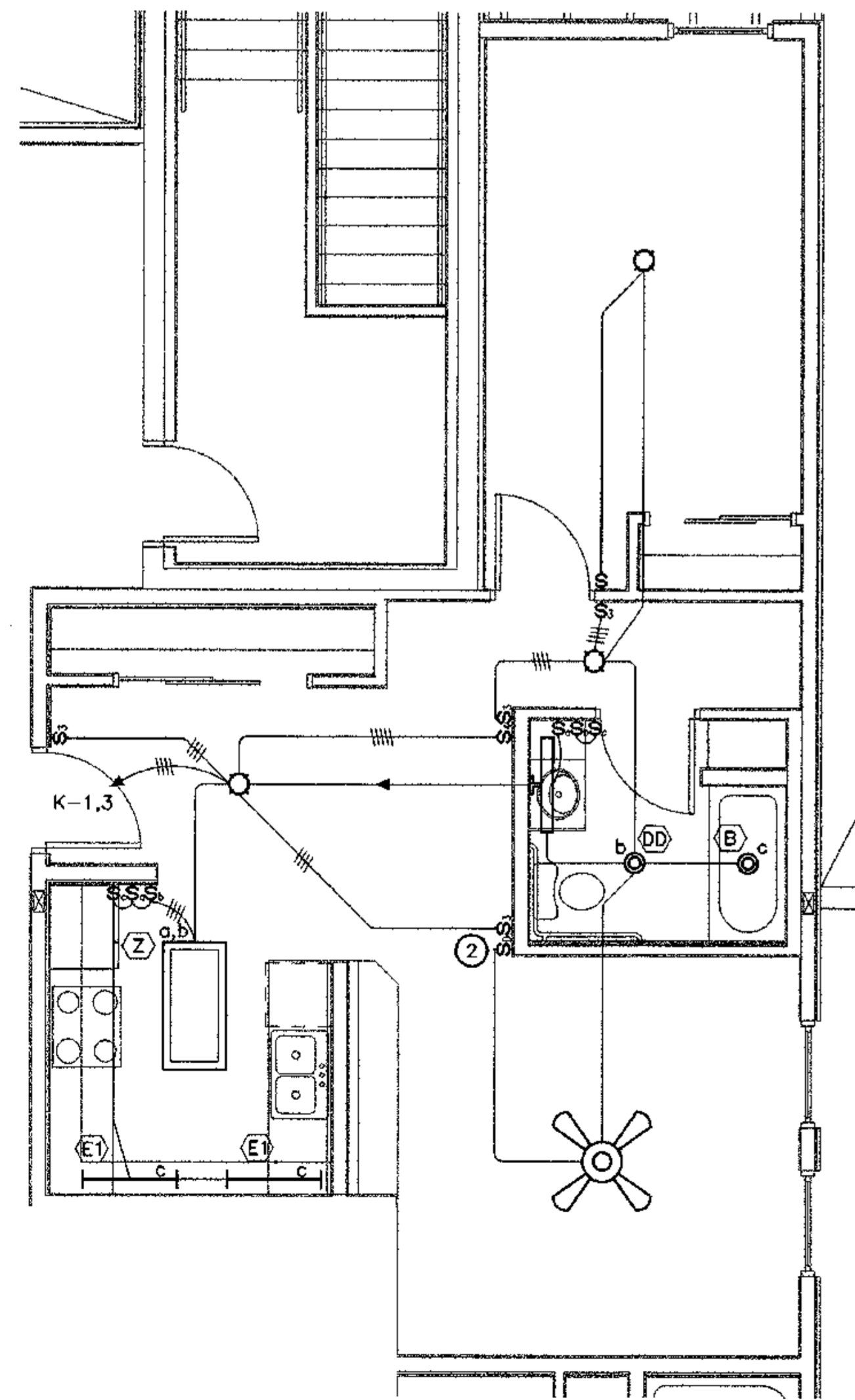
JOB NO. 2003.026.0
 DATE 06/15/03
 DRAWN QHS
 REVIEWED TCA

LIGHTING PLAN
 TYPICAL UNITS

SHEET NO.
E2.6



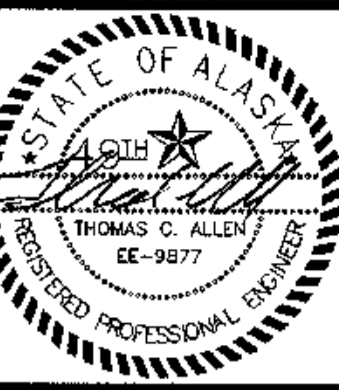
1 LIGHTING PLAN - TYPICAL UNIT J
E2.7 SCALE: 1/4" = 1'-0"



2 LIGHTING PLAN - TYPICAL UNIT K
E2.7 SCALE: 1/4" = 1'-0"

SHEET NOTES

1. SEE E2.0 THROUGH E2.6 FOR CIRCUIT NUMBERS.
2. CEILING FAN SPEED AND DIMMER CONTROL, CASABLANCA W-32.



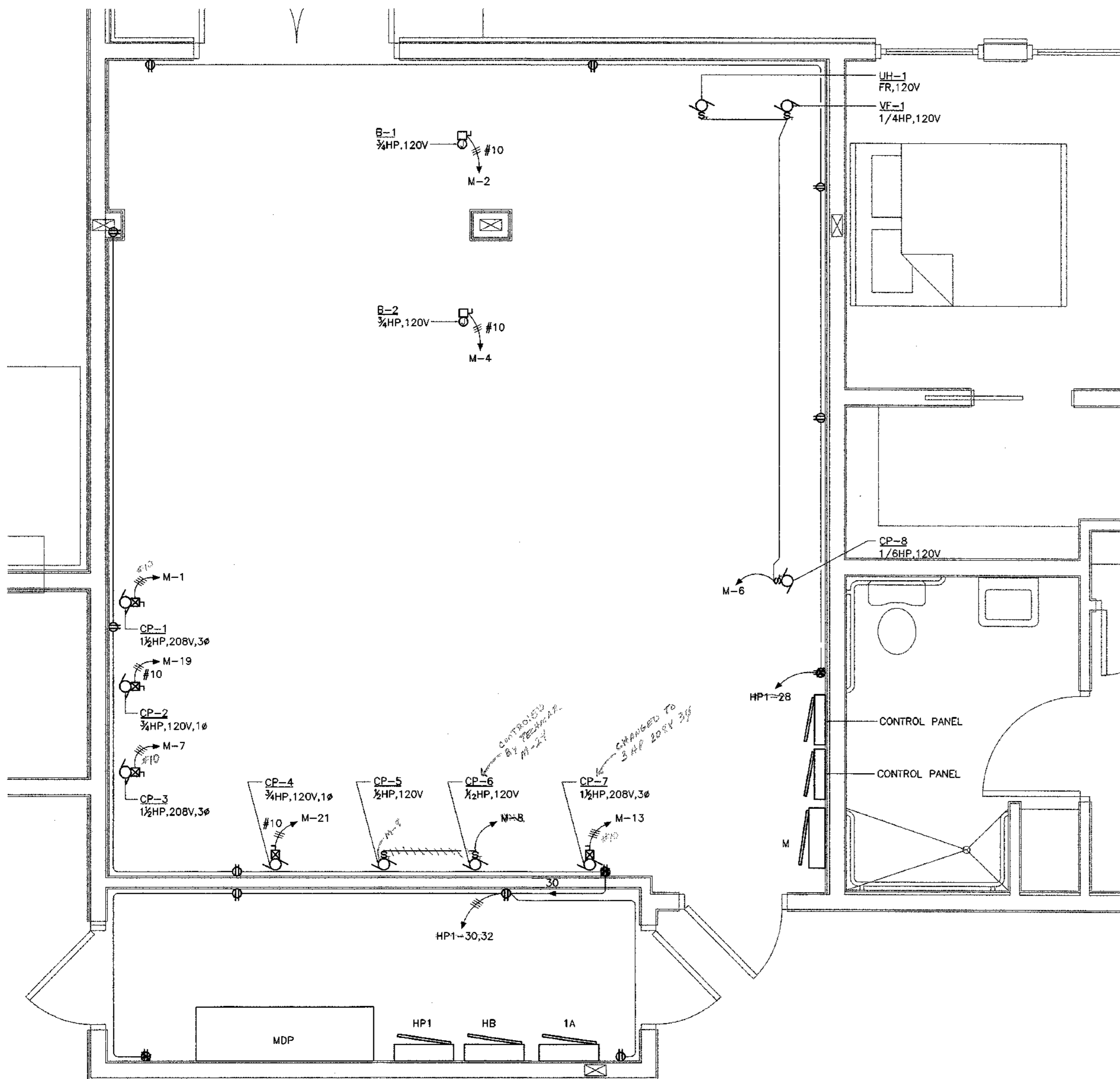
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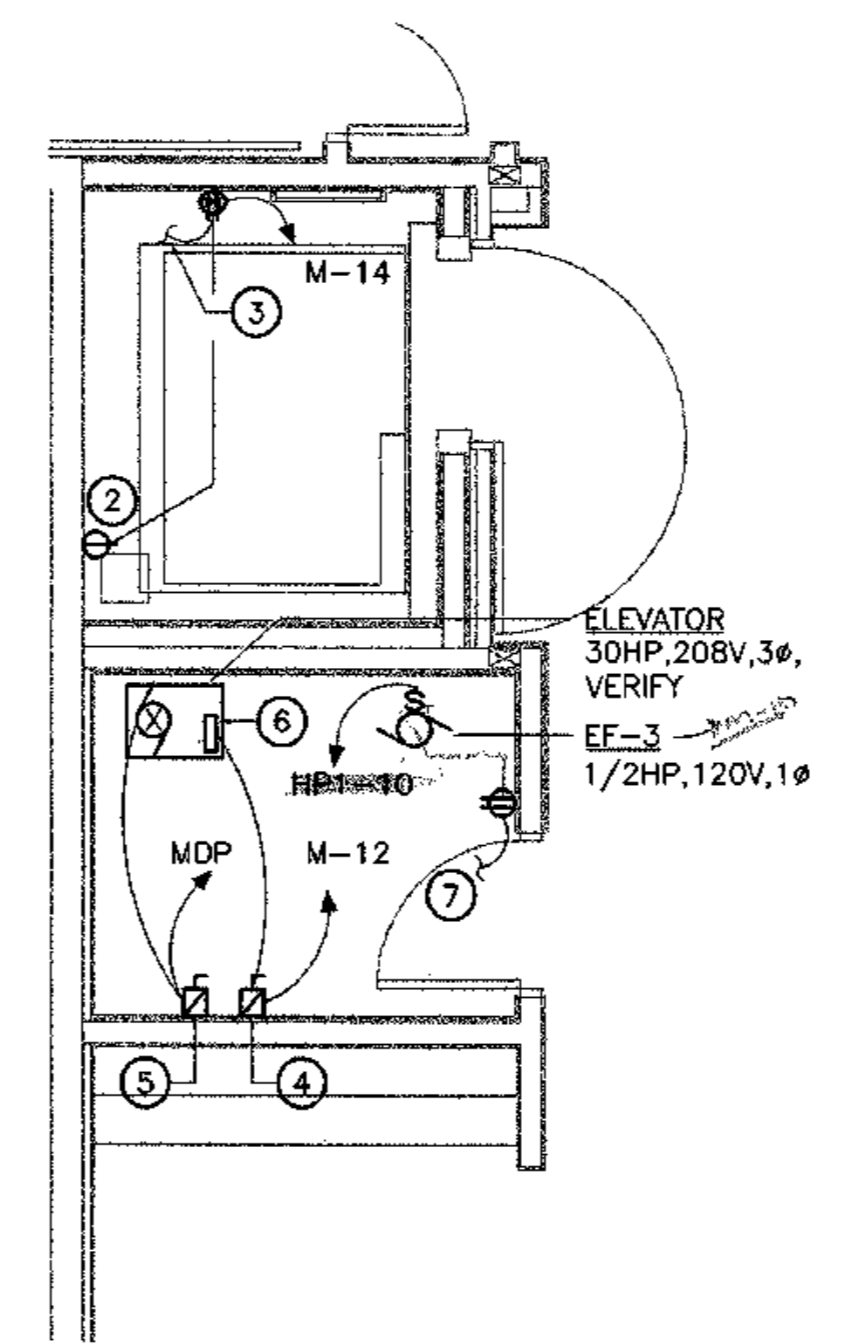
JOB NO. 2003.026.0
 DATE 08/15/03
 DRAWN BNB
 REVIEWED TCA

LIGHTING PLAN
TYPICAL UNITS

SHEET NO.
E2.7



1 ENLARGED MECHANICAL ROOM
E3.0 SCALE: 1/2" = 1'-0"



2 ENLARGED ELEVATOR ROOM
E3.0 SCALE: 1/2" = 1'-0"

SHEET NOTES

1. FIELD COORDINATE WITH MECHANICAL EQUIPMENT, PIPING, DUCT WORK ETC. PRIOR TO LOCATING ELECTRICAL DEVICES (i.e. DISCONNECT SWITCH, COMBINATION MAGNETIC MOTOR STARTER/DISCONNECT, ETC.) TO MAINTAIN 3'-0" WORKING CLEARANCE IN FRONT OF THE ELECTRICAL DEVICES. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING ELECTRICAL DEVICES TO MECHANICAL EQUIPMENT'S ENCLOSURE.
2. SINGLE RECEPTACLE OUTLET FOR CONNECTION TO SP-1. FIELD VERIFY FOR LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN.
3. CONNECT TO LIGHT FIXTURE LOCATED IN THE ELEVATOR PIT. SEE 1/E2.1.
4. 30A, 1Ø HEAVY DUTY FUSED DISCONNECT SWITCH FOR CONNECTION TO ELEVATOR CONTROL PANEL. FUSE AT 20A.
5. FUSED DISCONNECT SWITCH FOR CONNECTION TO ELEVATOR MOTOR. SEE 1/E5.0 FOR FUSED DISCONNECT SWITCH, CONDUIT AND WIRE SIZE.
6. UNIT MOUNTED ELEVATOR CONTROL PANEL.
7. CONNECT TO LIGHTING CIRCUIT IN THIS ROOM. SEE 1/E2.1.



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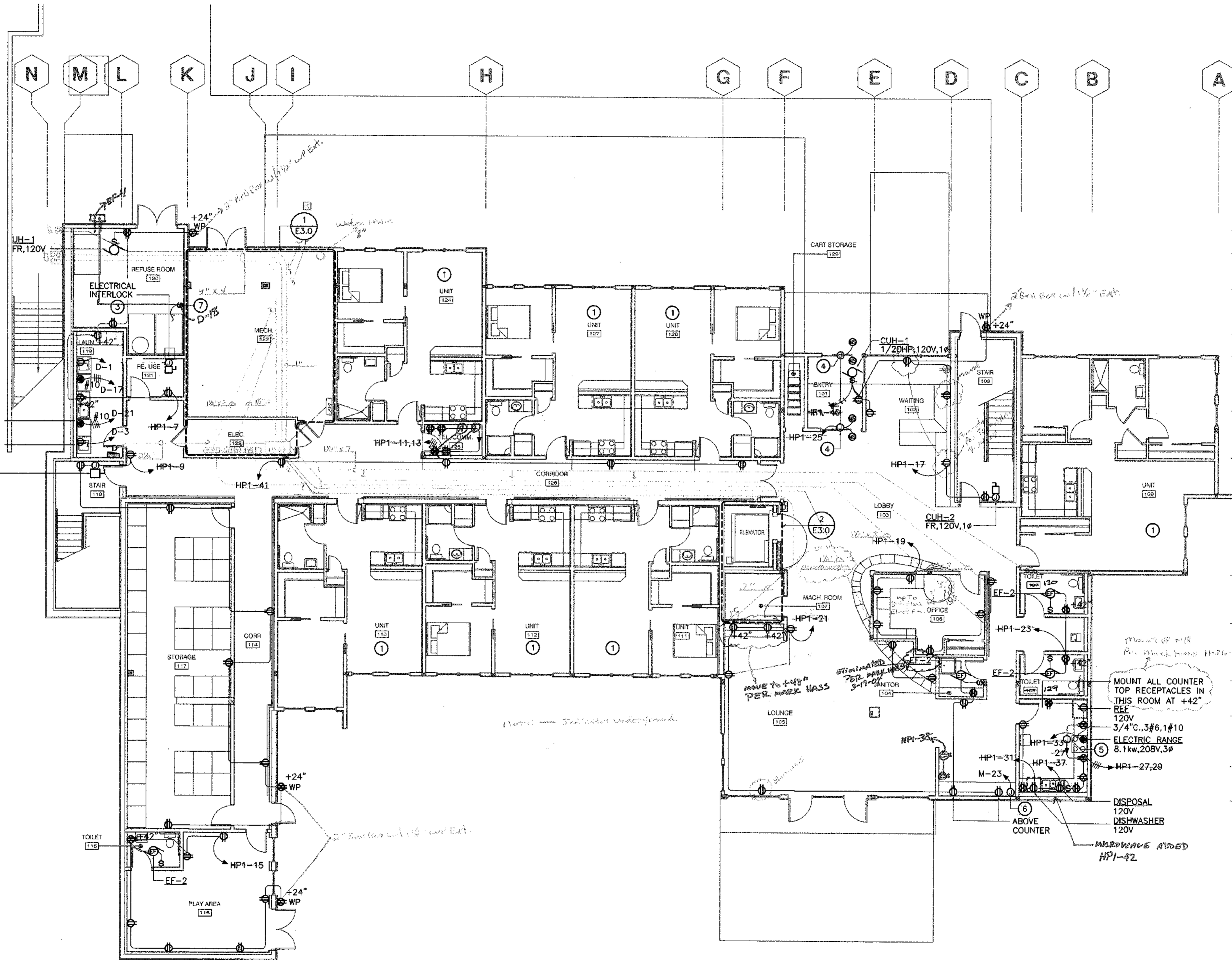
ENLARGED MECHANICAL AND ELEVATOR ROOMS

SHEET NO. **E3.0**

SHEET NOTES

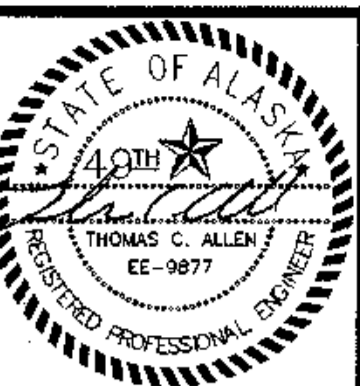
- 1 SEE E3.5, E3.6 AND E3.7 FOR TYPICAL UNIT POWER WIRING PLANS.
- 2 FIELD COORDINATE WITH MECHANICAL EQUIPMENT, PIPING, DUCT WORK ETC. PRIOR TO LOCATING ELECTRICAL DEVICES (i.e. DISCONNECT SWITCH COMBINATION MAGNETIC MOTOR STARTER/DISCONNECT, ETC.) TO MAINTAIN 3'-0" WORKING CLEARANCE IN FRONT OF THE ELECTRICAL DEVICES. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING ELECTRICAL DEVICES TO MECHANICAL EQUIPMENT'S ENCLOSURE.
- 3 PROVIDE 120V POWER AND DISCONNECT FOR ELECTRIC INTERLOCK OF TRASH CHUTES, COORDINATE ALL REQUIRED CONNECTIONS. THERE IS AN INTER FLOOR CONNECTION REQUIRED.
- 4 JUNCTION BOX CONNECTION TO FRONT AUTOMATIC DOORS. COORDINATE REQUIRED CONNECTIONS. COORDINATED CONNECTIONS AND PROGRAMMING WITH SECURED ENTRY.
- 5 JUNCTION BOX FOR CONNECTION TO RANGE HOOD'S FAN AND LIGHT.
- 6 PROVIDE AND INSTALL 8W/FT HEATTRACE FOR ROOF OVERFLOW SCUPPER AT EXTERIOR AT THIS LOCATION. COORDINATE WITH MECHANICAL FOR EXACT LOCATION AND CONNECTIONS REQUIRED. APPROX. 10'
- 7 SWITCHED CONTROL FOR EF-4. PROVIDE LABEL "GARBAGE CHUTE EXHAUST FAN". *NOTE: EF-4 MOVED FROM ROOF TO EXTERIOR WALL REFUSE ROOM #120 AT MARKED LOCATION*

DRYER
5kw, 208V, 1Ø, TYP.
WASHER
1.5kw, 120V TYP.
CUH-2
FR, 120V, 1Ø



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

1 FIRST FLOOR POWER PLAN
E3.1 SCALE: 1/8" = 1'-0"



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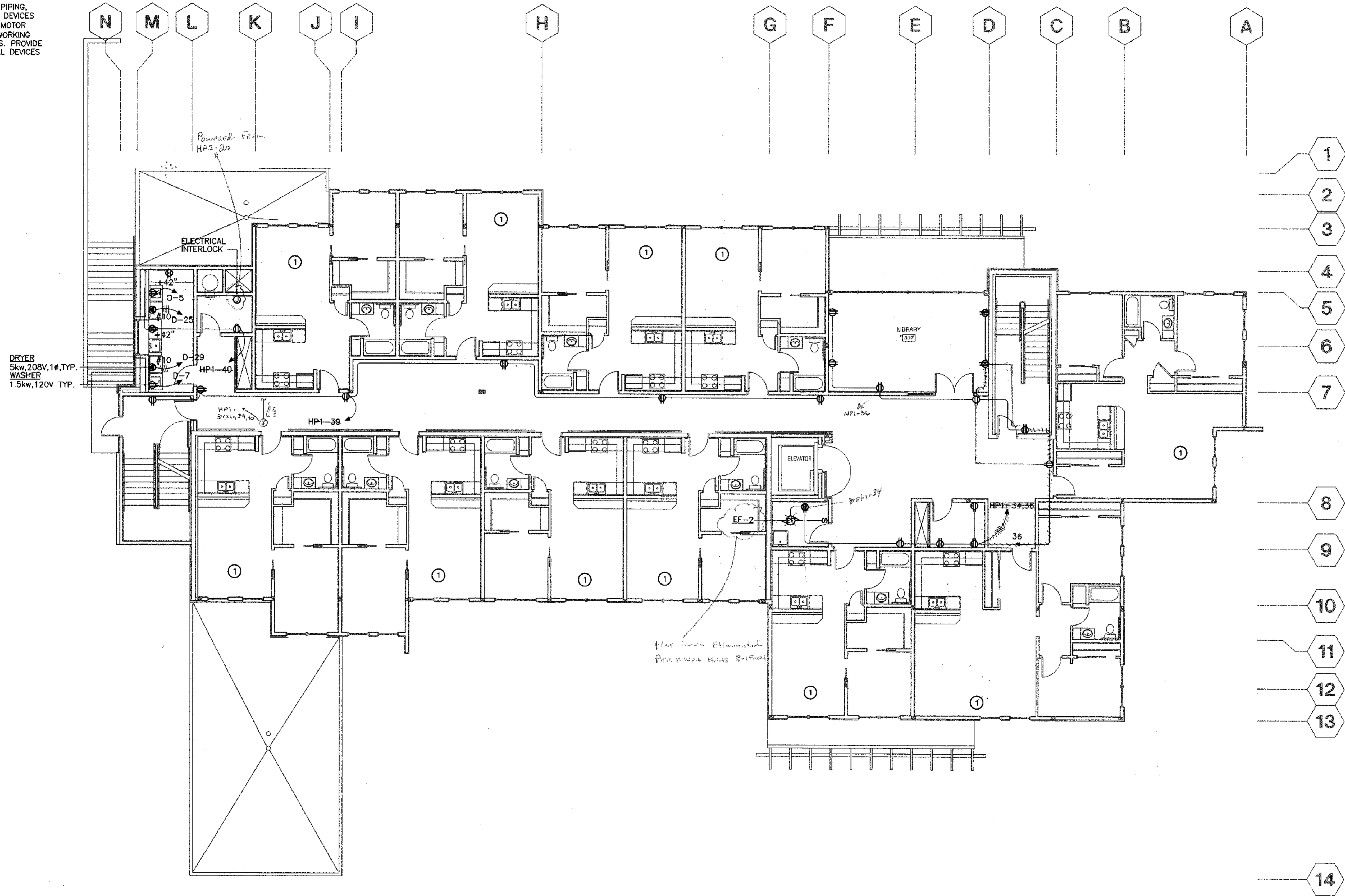
JOB NO. 2003.026.0
DATE 09/15/03
DRAWN BJB
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FRST FLOOR POWER PLAN

SHEET NO. **E3.1**

SHEET NOTES

- 1 SEE E3.5, E3.6 AND E3.7 FOR TYPICAL UNIT POWER WIRING PLANS.
2. FIELD COORDINATE WITH MECHANICAL EQUIPMENT, PIPING, DUCT WORK ETC. PRIOR TO LOCATING ELECTRICAL DEVICES (I.E. DISCONNECT SWITCH COMBINATION MAGNETIC MOTOR STARTER/DISCONNECT, ETC.) TO MAINTAIN 3'-0" WORKING CLEARANCE IN FRONT OF THE ELECTRICAL DEVICES. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING ELECTRICAL DEVICES TO MECHANICAL EQUIPMENT'S ENCLOSURE.



1 SECOND FLOOR POWER PLAN
 E3.2 SCALE: 1/8" = 1'-0"



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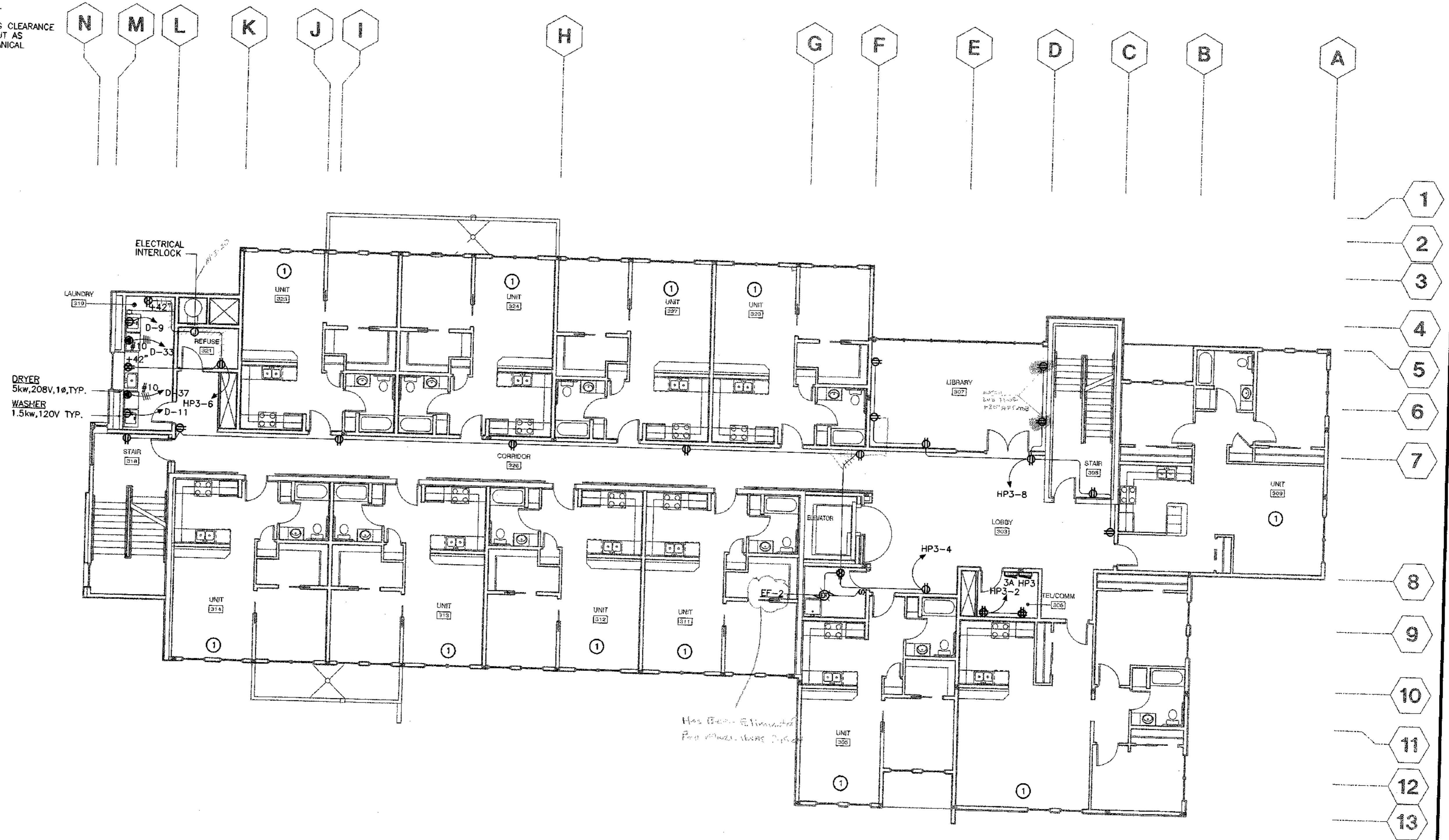
JOB NO. 2003.026.0
 DATE 09/15/03
 DRAWN BAB
 REVIEWED TCA

SECOND FLOOR POWER PLAN

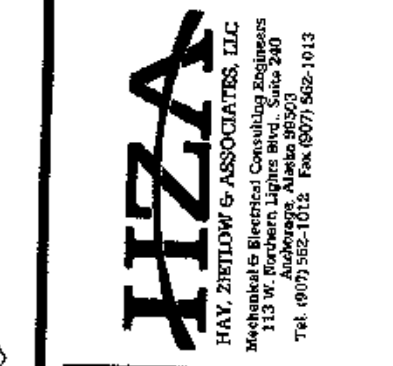
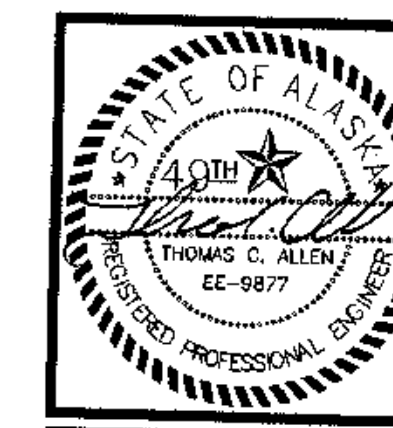
SHEET NO.
E3.2

SHEET NOTES

- 1. SEE E3.5, E3.6 AND E3.7 FOR TYPICAL UNIT POWER WIRING PLANS.
- 2. FIELD COORDINATE WITH MECHANICAL EQUIPMENT, PIPING, DUCT WORK ETC. PRIOR TO LOCATING ELECTRICAL DEVICES (i.e. DISCONNECT SWITCH COMBINATION MAGNETIC MOTOR STARTER/DISCONNECT, ETC.) TO MAINTAIN 3'-0" WORKING CLEARANCE IN FRONT OF THE ELECTRICAL DEVICES. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING ELECTRICAL DEVICES TO MECHANICAL EQUIPMENT'S ENCLOSURE.



1 THIRD FLOOR POWER PLAN
E3.3 SCALE: 1/8" = 1'-0"



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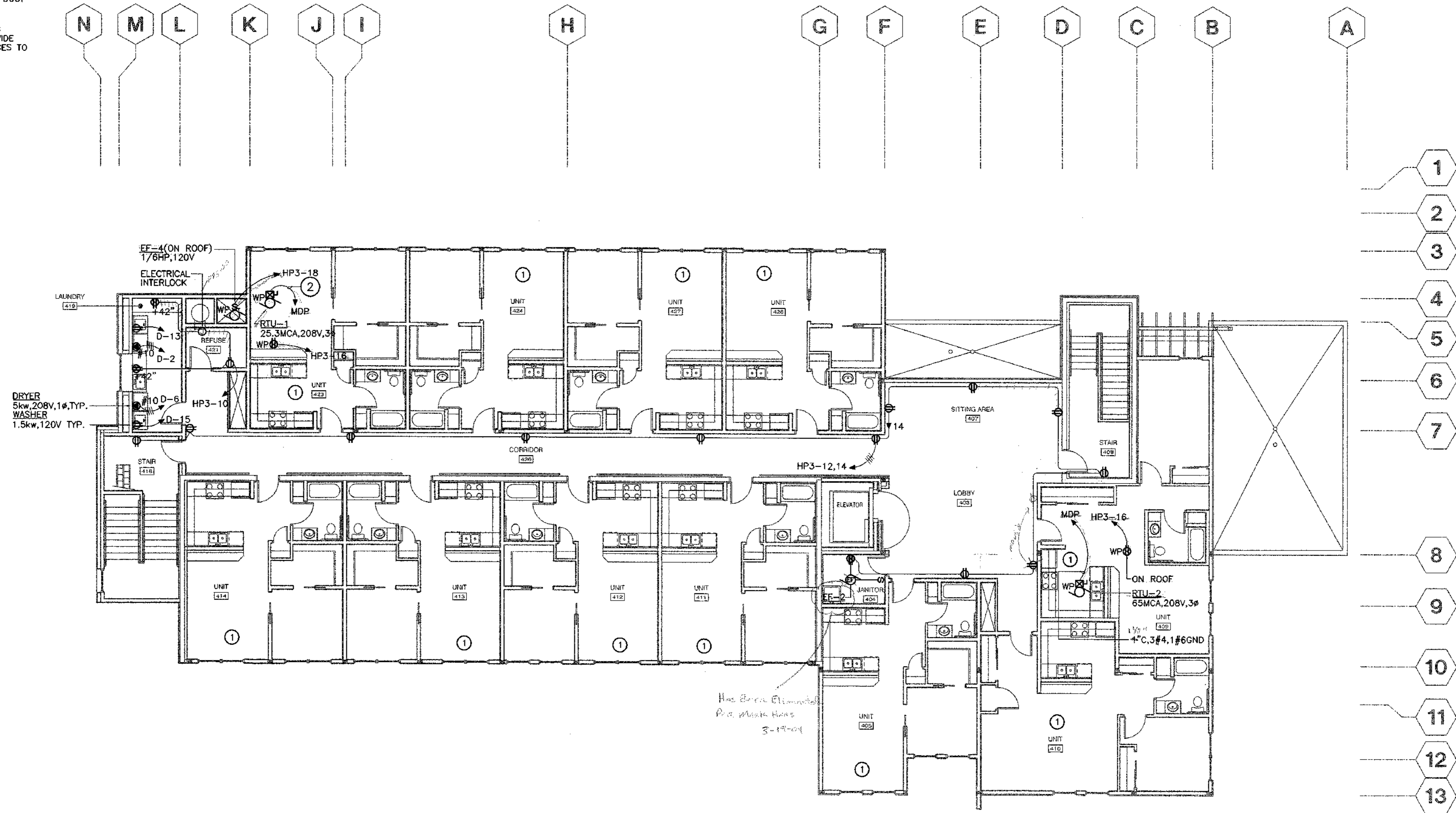
JOB NO. 2003.026.0
 DATE 08/15/03
 DRAWN B98
 REVIEWED TCA

THIRD FLOOR POWER PLAN

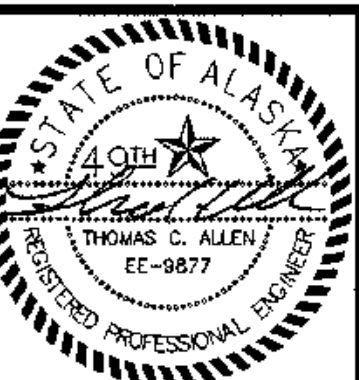
SHEET NO. E3.3

SHEET NOTES

- 1 SEE E3.5, E3.6 AND E3.7 FOR TYPICAL UNIT POWER WIRING PLANS.
- 2. FIELD COORDINATE WITH MECHANICAL EQUIPMENT, PIPING, DUCT WORK ETC. PRIOR TO LOCATING ELECTRICAL DEVICES (i.e. DISCONNECT SWITCH COMBINATION MAGNETIC MOTOR STARTER/DISCONNECT, ETC.) TO MAINTAIN 3'-0" WORKING CLEARANCE IN FRONT OF THE ELECTRICAL DEVICES. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING ELECTRICAL DEVICES TO MECHANICAL EQUIPMENT'S ENCLOSURE.



1 FOURTH FLOOR POWER PLAN
E3.4 SCALE: 1/8" = 1'-0"



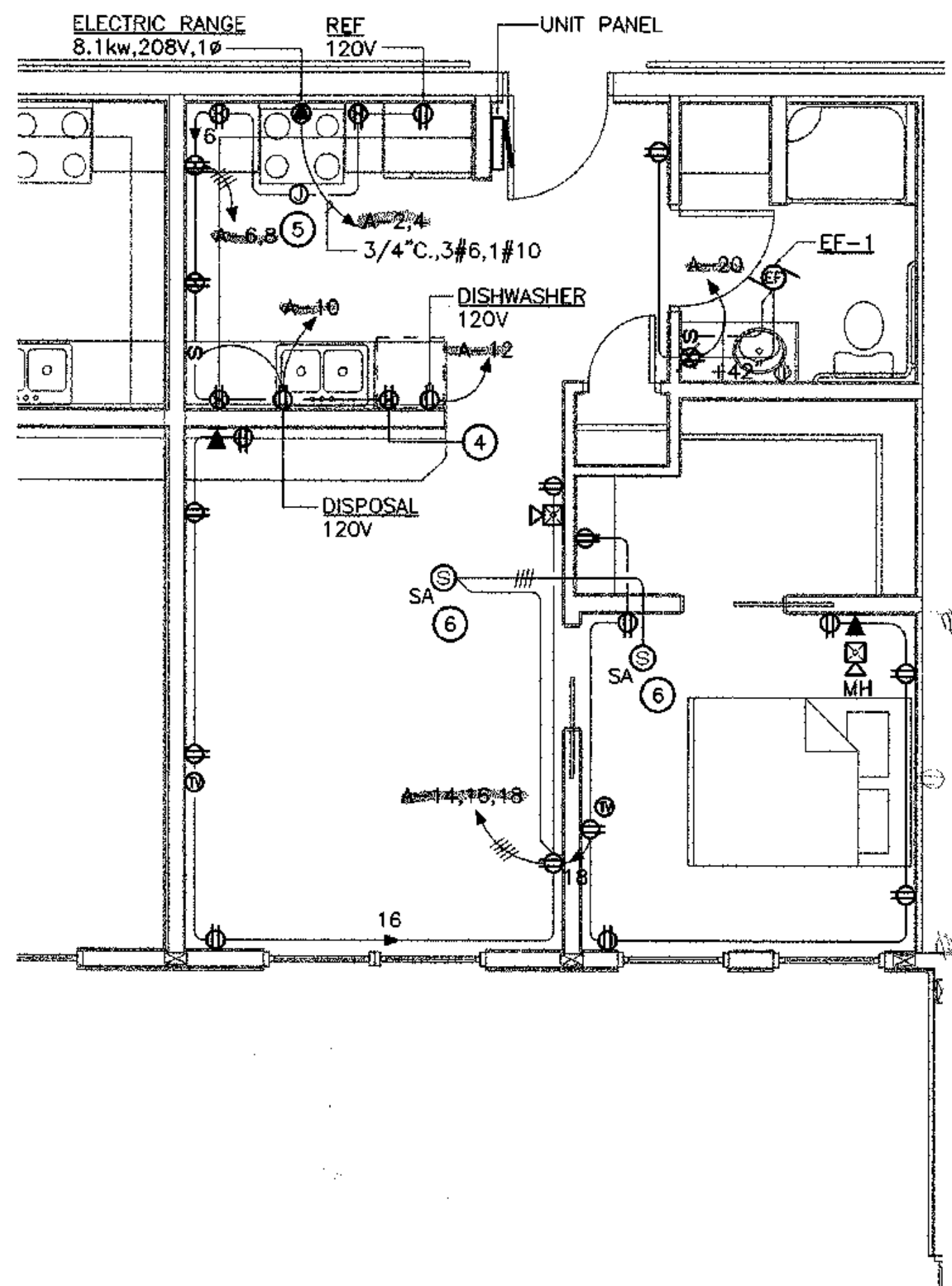
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CONSTRUCTION SET

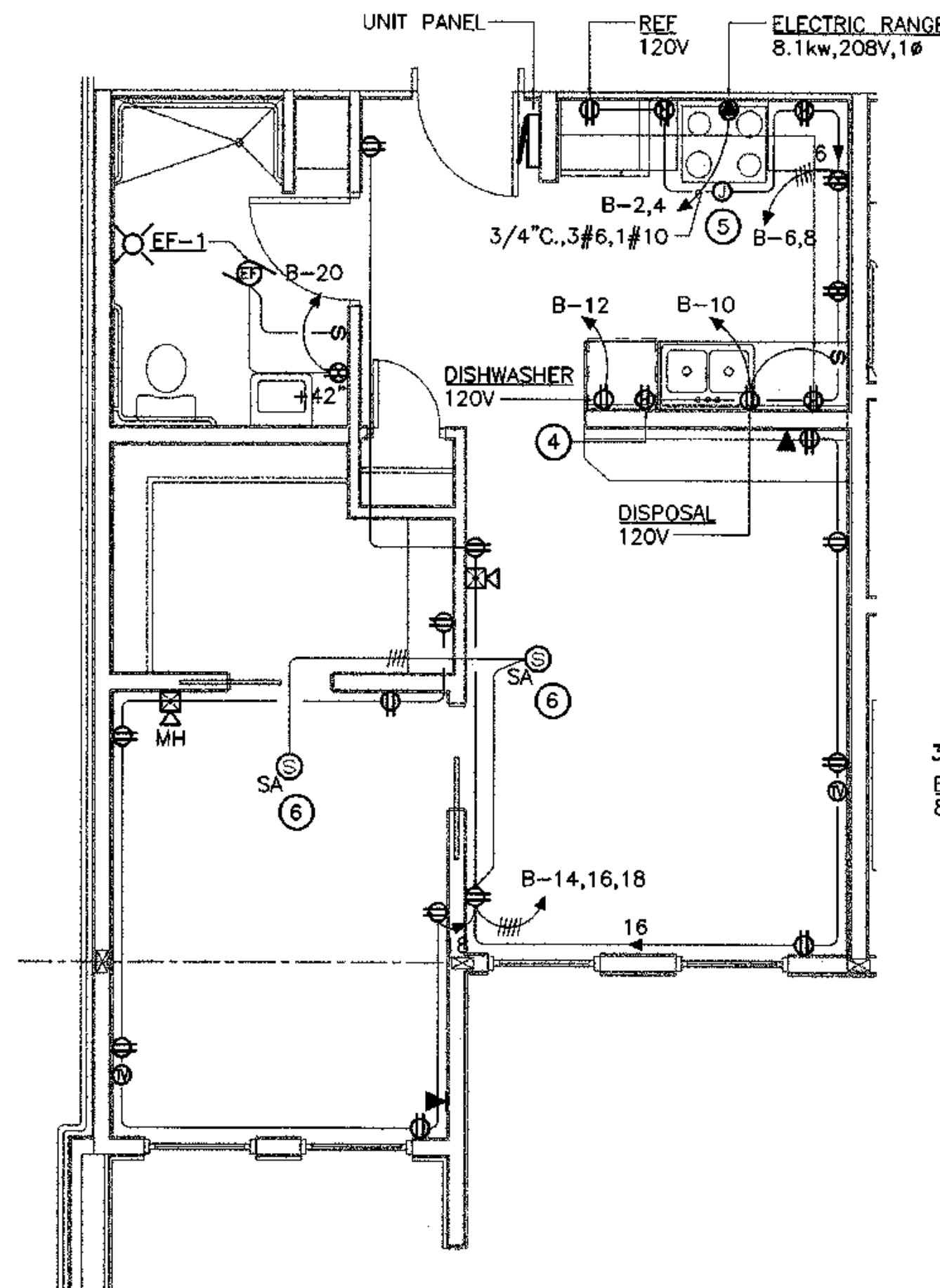
JOB NO. 2003.028.0
DATE 09/15/03
DRAWN BMB
REVIEWED TCA

FOURTH FLOOR
POWER PLAN

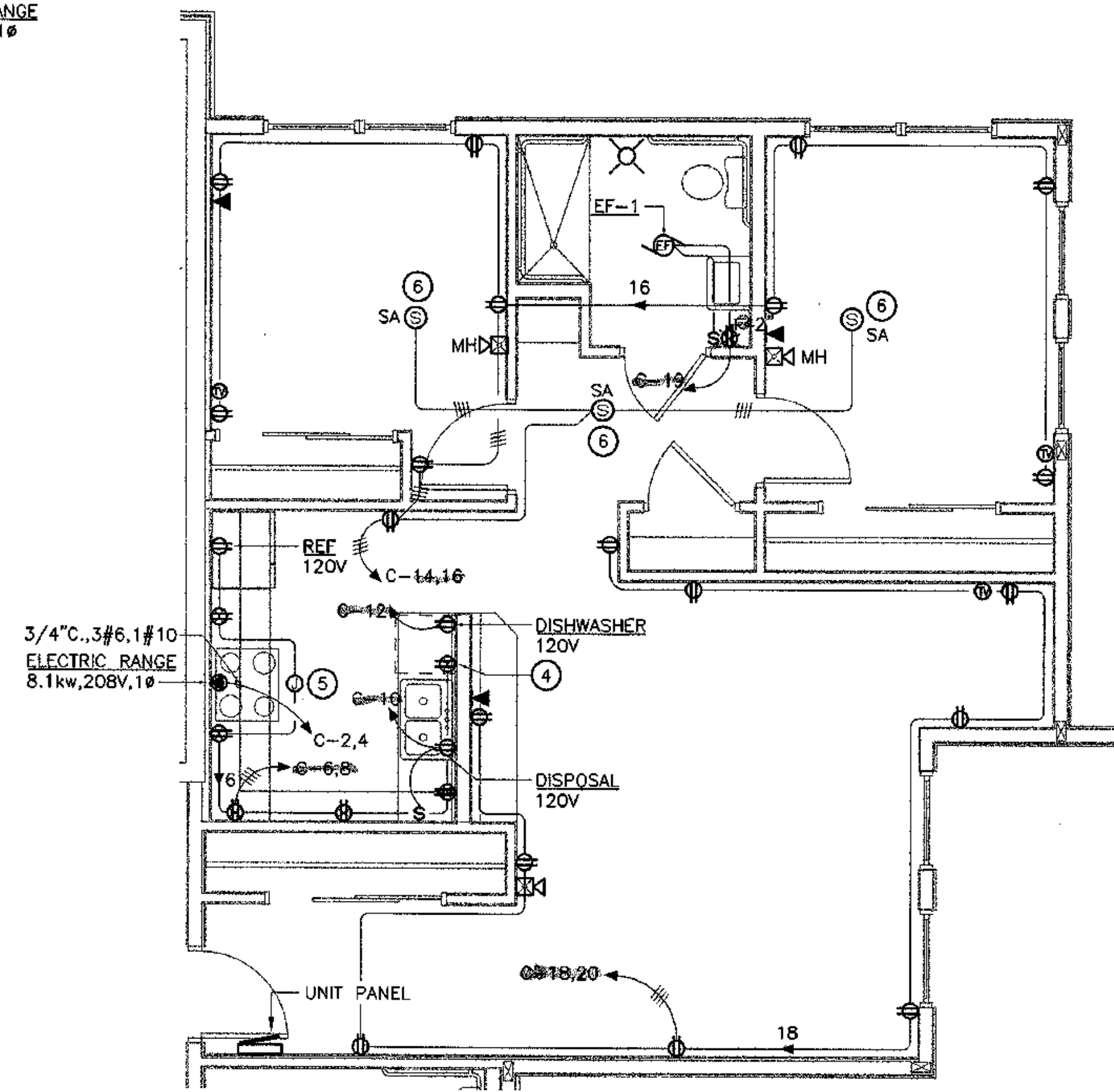
SHEET NO.
E3.4



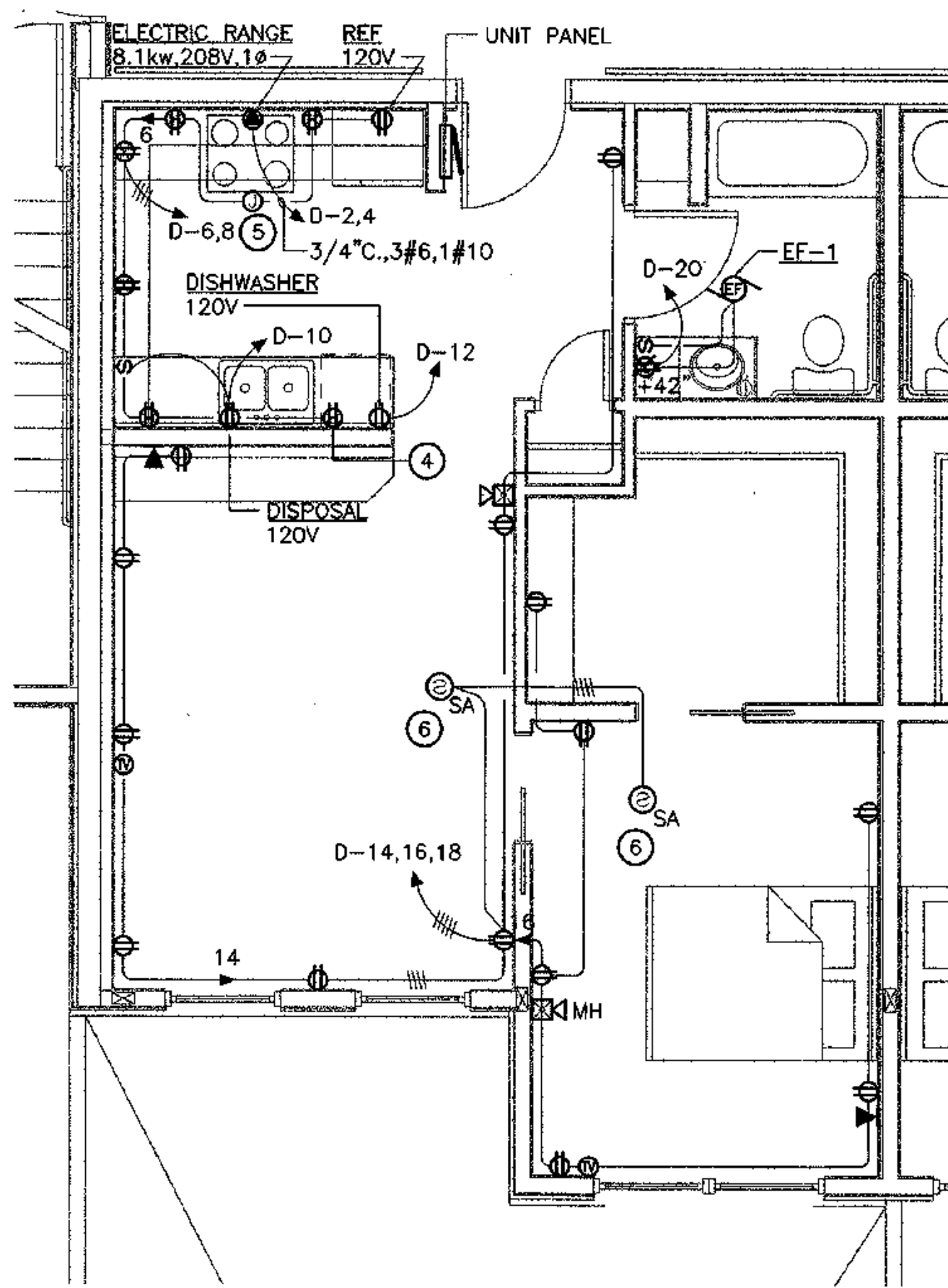
1 POWER PLAN - TYPICAL UNIT A'
E3.5 SCALE: 1/4" = 1'-0"



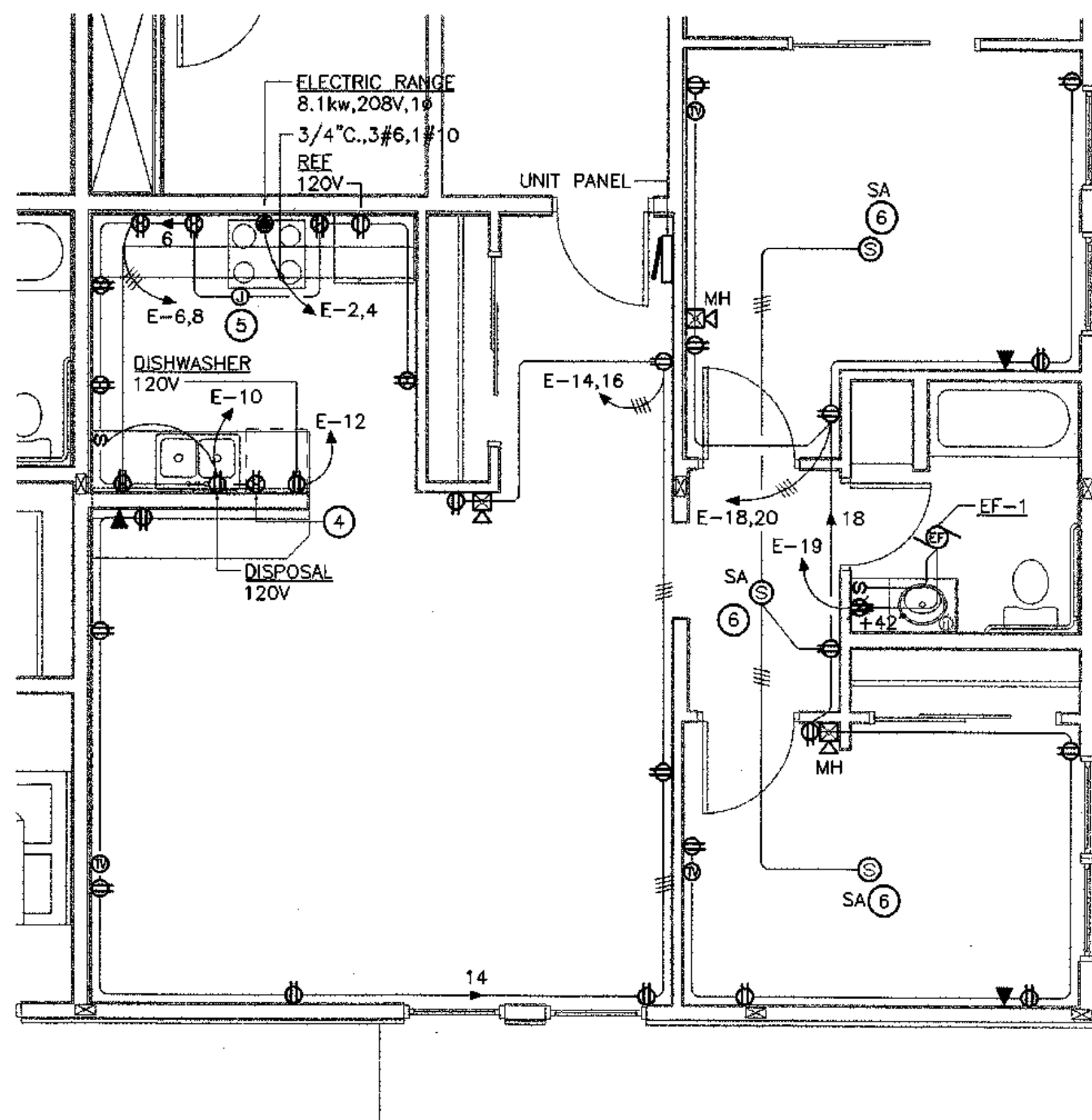
2 POWER PLAN - TYPICAL UNIT B
E3.5 SCALE: 1/4" = 1'-0"



3 POWER PLAN - TYPICAL UNIT C
E3.5 SCALE: 1/4" = 1'-0"



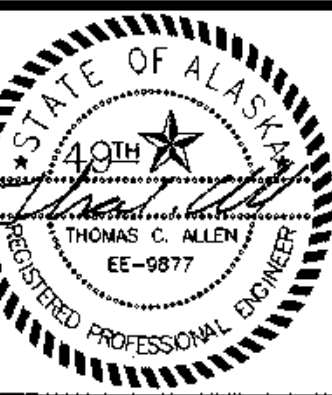
4 POWER PLAN - TYPICAL UNIT D
E3.5 SCALE: 1/4" = 1'-0"



5 POWER PLAN - TYPICAL UNIT E
E3.5 SCALE: 1/4" = 1'-0"

SHEET NOTES

1. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT FOR KITCHEN EQUIPMENT, ETC. PRIOR TO ROUGH-IN.
2. COORDINATE WITH MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN.
3. UNLESS OTHERWISE NOTED, MOUNT DUPLEX RECEPTACLE OUTLET 4" ABOVE THE COUNTERS OR BACKSPLASH.
4. LOCATE DUPLEX RECEPTACLE OUTLET DIRECTLY ABOVE BACKSPLASH MOUNTED HORIZONTALLY.
5. JUNCTION BOX FOR CONNECTION TO RANGE HOOD'S FAN AND LIGHT.
6. PROVIDE AND INSTALL STAND-ALONE 120V PHOTOELECTRIC SMOKE DETECTOR WITH AUDIO/VISUAL AND 9VDC BATTERY BACK-UP. GENEX #7139GS OR EQUAL. CONNECT STAND-ALONE 120V PHOTOELECTRIC SMOKE DETECTORS IN TANDEM SO THAT WHEN ANY OF THE BEDROOM UNIT SENSE SMOKE ALL BEDROOM UNITS SOUND AN ALARM. TYPICAL.
7. PROVIDE STROBES IN ALL ADA UNIT BATHROOMS.
8. PRIOR TO ROUGH-IN, COORDINATE LOCATION OF ALL DEVICES IN THE ADA UNITS WITH ARCHITECTURAL AND PROVIDE COMPLIANCE WITH ADA REQUIREMENTS.



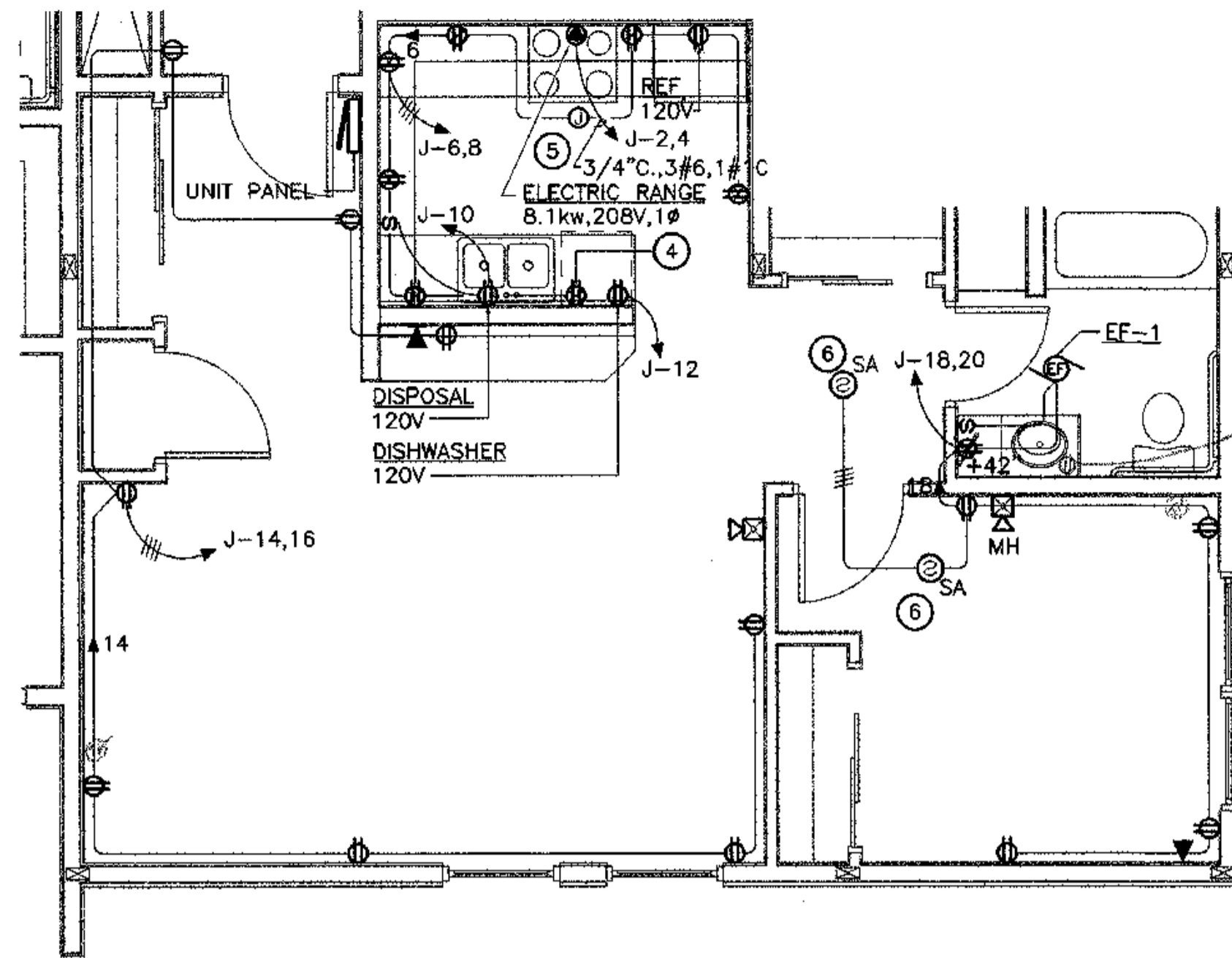
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DATE 09/15/03
DRAWN BMB
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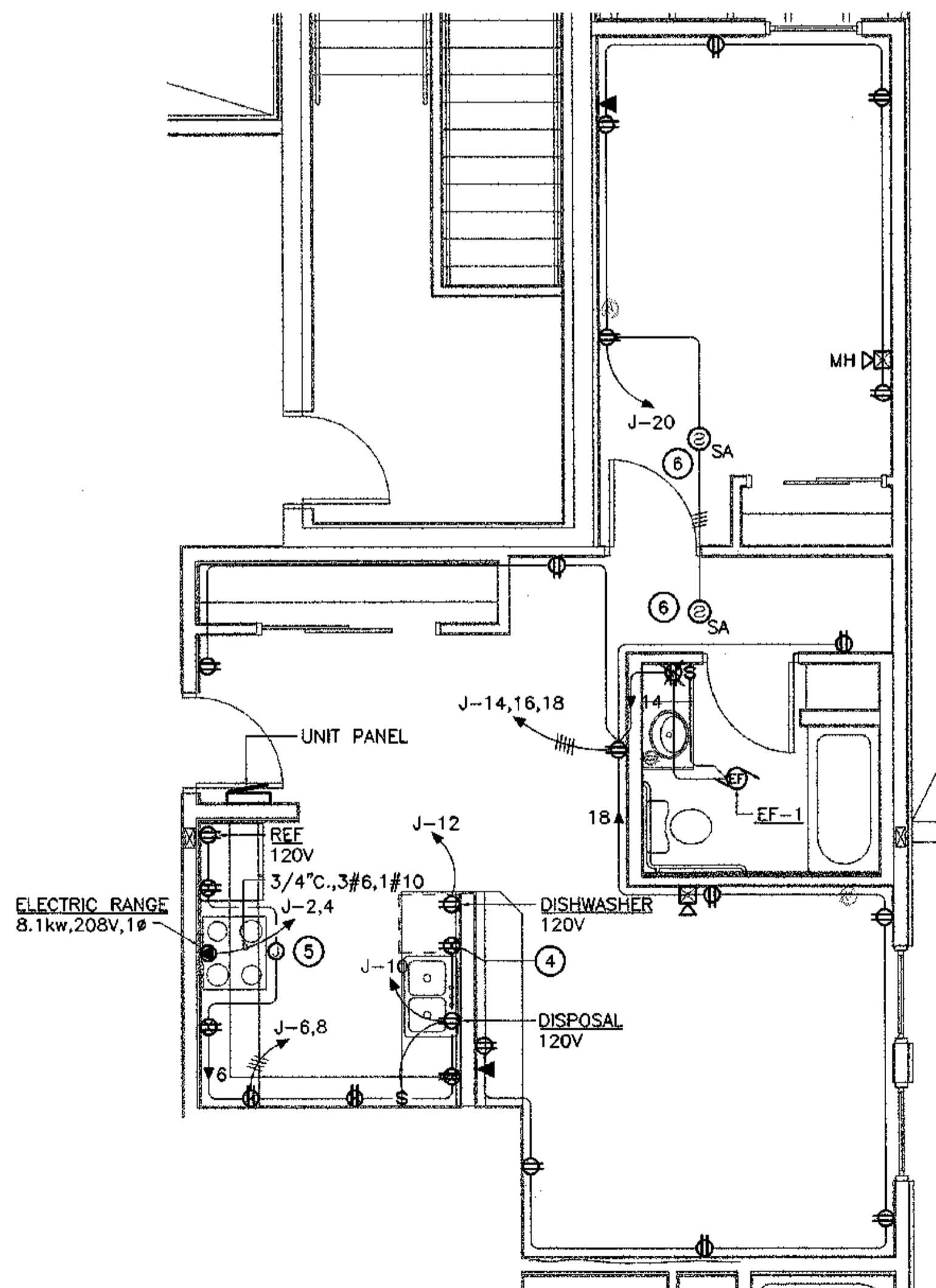
POWER PLAN
TYPICAL UNITS

SHEET NO.
E3.5



Typical
 Ref. Check 12-5-03
 Per mark 4445

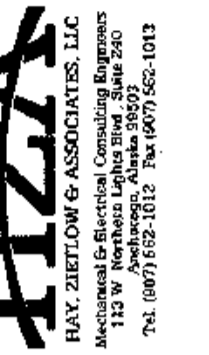
1 POWER PLAN - TYPICAL UNIT J
 E3.7 SCALE: 1/4" = 1'-0"



2 POWER PLAN - TYPICAL UNIT K
 E3.7 SCALE: 1/4" = 1'-0"

SHEET NOTES

1. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT FOR KITCHEN EQUIPMENT, ETC. PRIOR TO ROUGH-IN.
2. COORDINATE WITH MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN.
3. UNLESS OTHERWISE NOTED, MOUNT DUPLEX RECEPTACLE OUTLET 4" ABOVE THE COUNTERS OR BACKSPLASH.
- ④ LOCATE DUPLEX RECEPTACLE OUTLET DIRECTLY ABOVE BACKSPLASH MOUNTED HORIZONTALLY.
- ⑤ JUNCTION BOX FOR CONNECTION TO RANGE HOOD'S FAN AND LIGHT.
- ⑥ PROVIDE AND INSTALL STAND-ALONE 120V PHOTOELECTRIC SMOKE DETECTOR WITH AUDIO/VISUAL AND 9VDC BATTERY BACK-UP. GENTEX #7139GS OR EQUAL. CONNECT STAND-ALONE 120V PHOTOELECTRIC SMOKE DETECTORS IN TANDEM SO THAT WHEN ANY OF THE BEDROOM UNIT SENSE SMOKE ALL BEDROOM UNITS SOUND AN ALARM. TYPICAL.



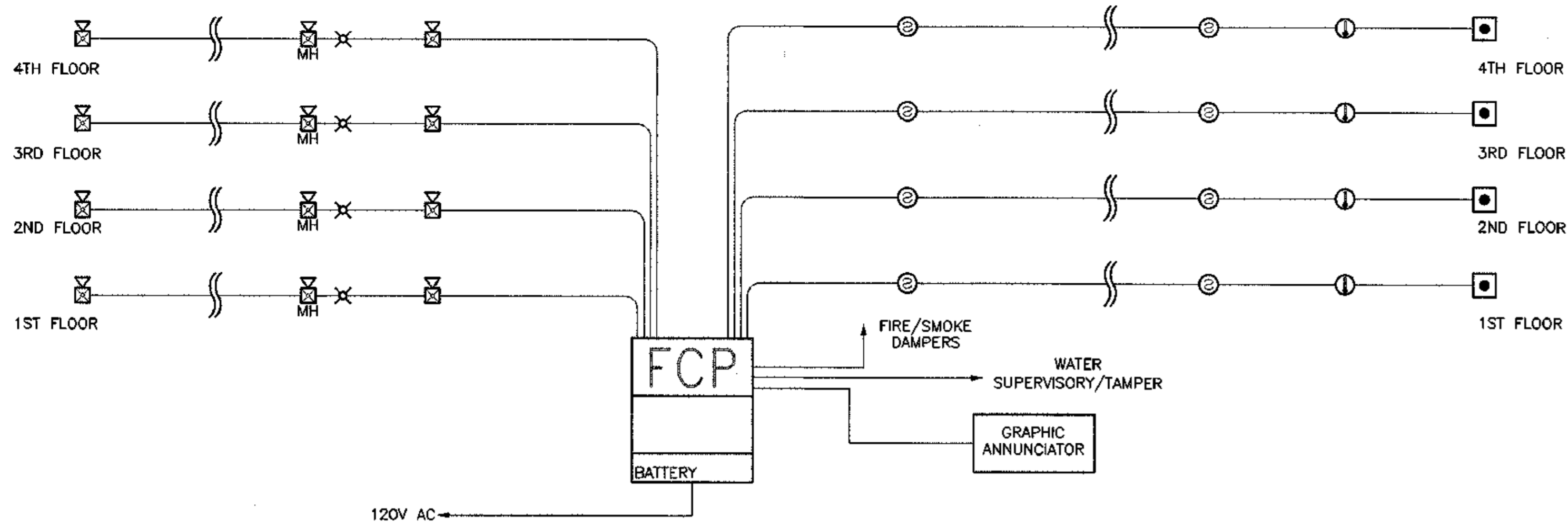
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JOB NO.	2003.026.0
DATE	02/15/03
DRAWN	BAB
REVIEWED	TCA

POWER PLAN
 TYPICAL UNITS

SHEET NO.
E3.7

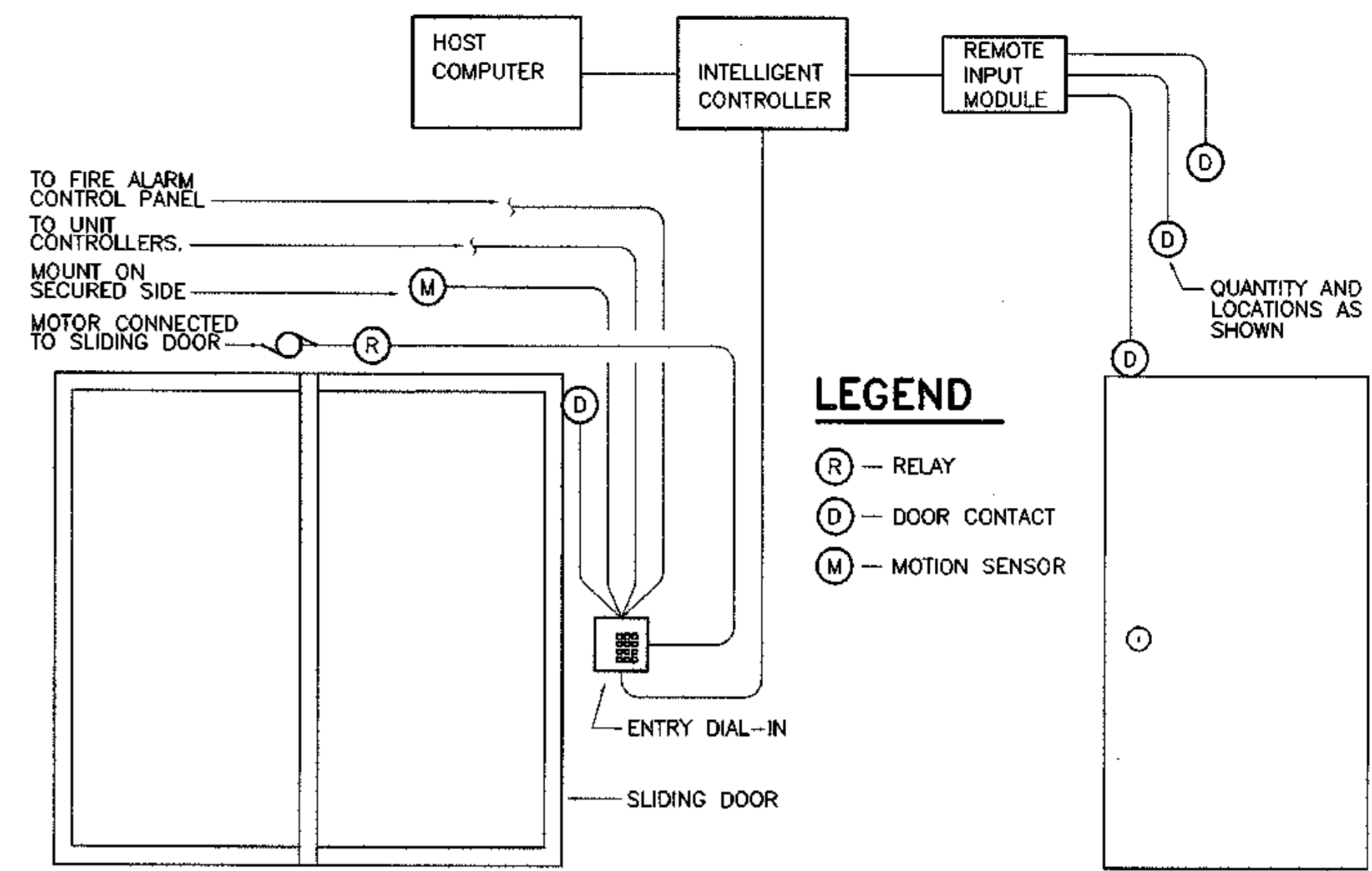


NOTE: FIRE ALARM RISER DIAGRAM AS SHOWN IS DIAGRAMMATIC AND DOES NOT SHOW ALL OF THE REQUIRED CONNECTIONS AND DEVICES. FIRE ALARM SYSTEM SHALL BE PROVIDED IN CONFORMANCE WITH THE REQUIREMENTS OF THE 2000 IBC AND SHALL ALSO HAVE CONNECTIONS FOR THE FOLLOWING ITEMS:

- 1) CONNECTION TO THE SHUNT TRIP ON THE ELEVATOR FEEDER CIRCUIT TO SHUT DOWN THE ELEVATOR POWER PRIOR TO ACTIVATION OF THE SPRINKLER HEADS IN ACCORDANCE WITH ASME 102.2 (C)(4).
 - 2) CONNECTION TO SPRINKLER ALARM VALVE/SPRINKLER FLOW SWITCH. VERIFY LOCATION AND QUANTITY WITH SPRINKLER DESIGN.
 - 3) CONNECTIONS TO ELEVATOR CONTROL AND THE ELEVATOR RECALL SYSTEM.
 - 4) EXTERIOR BELL/HORN.
 - 5) PROVIDE FIRE ALARM SYSTEM TELEPHONE CONNECTION TO ALLOW AUTOMATIC REPORTING OF SPRINKLER FLOW ALARMS AS REQUIRED BY NFPA 13.
- PROVIDE ALL NECESSARY AUXILIARY CONTACT, CONNECTIONS, ETC. TO PROVIDE A COMPLETE SYSTEM, REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

1 SCHEMATIC FIRE ALARM RISER DIAGRAM

E4.0 SCALE: NTS



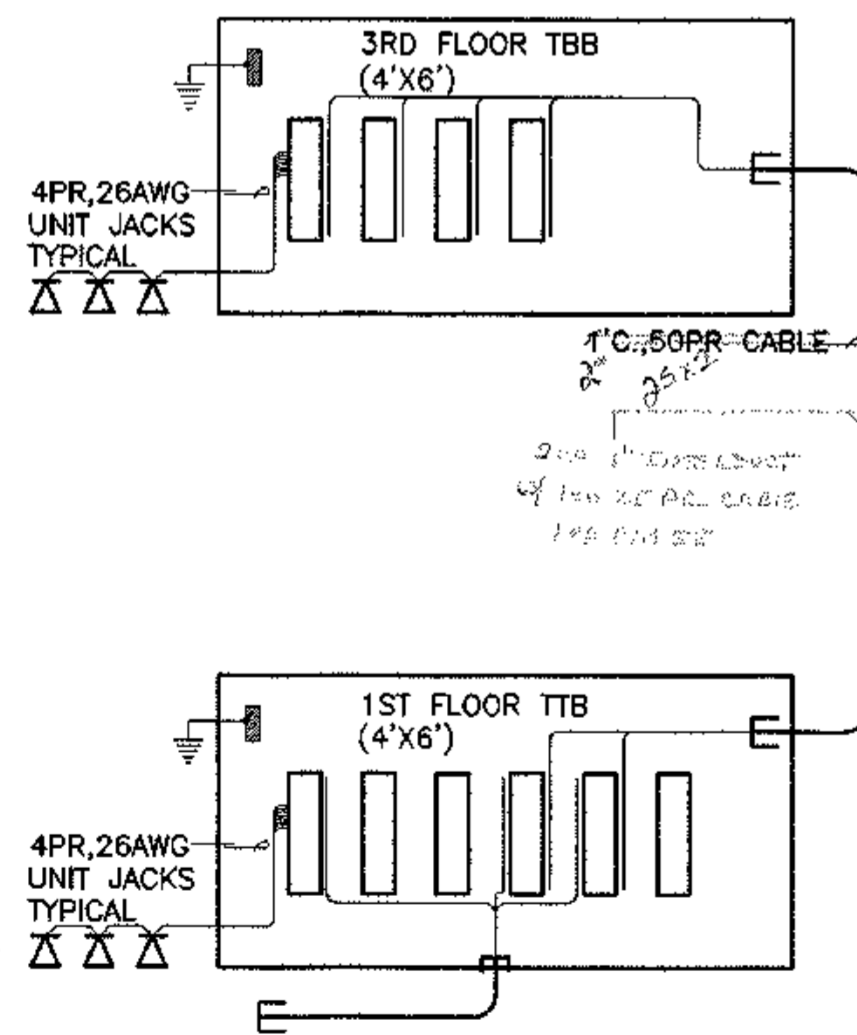
LEGEND

- (R) - RELAY
- (D) - DOOR CONTACT
- (M) - MOTION SENSOR

APPROVED EQUAL SYSTEM THAT DOES NOT REQUIRE THE TENANT TO HAVE LOCAL TELEPHONE SERVICE OF ANY KIND FOR PROPER OPERATION.

3 ACCESS CONTROL SYSTEM DIAGRAM

E4.0 SCALE: NTS

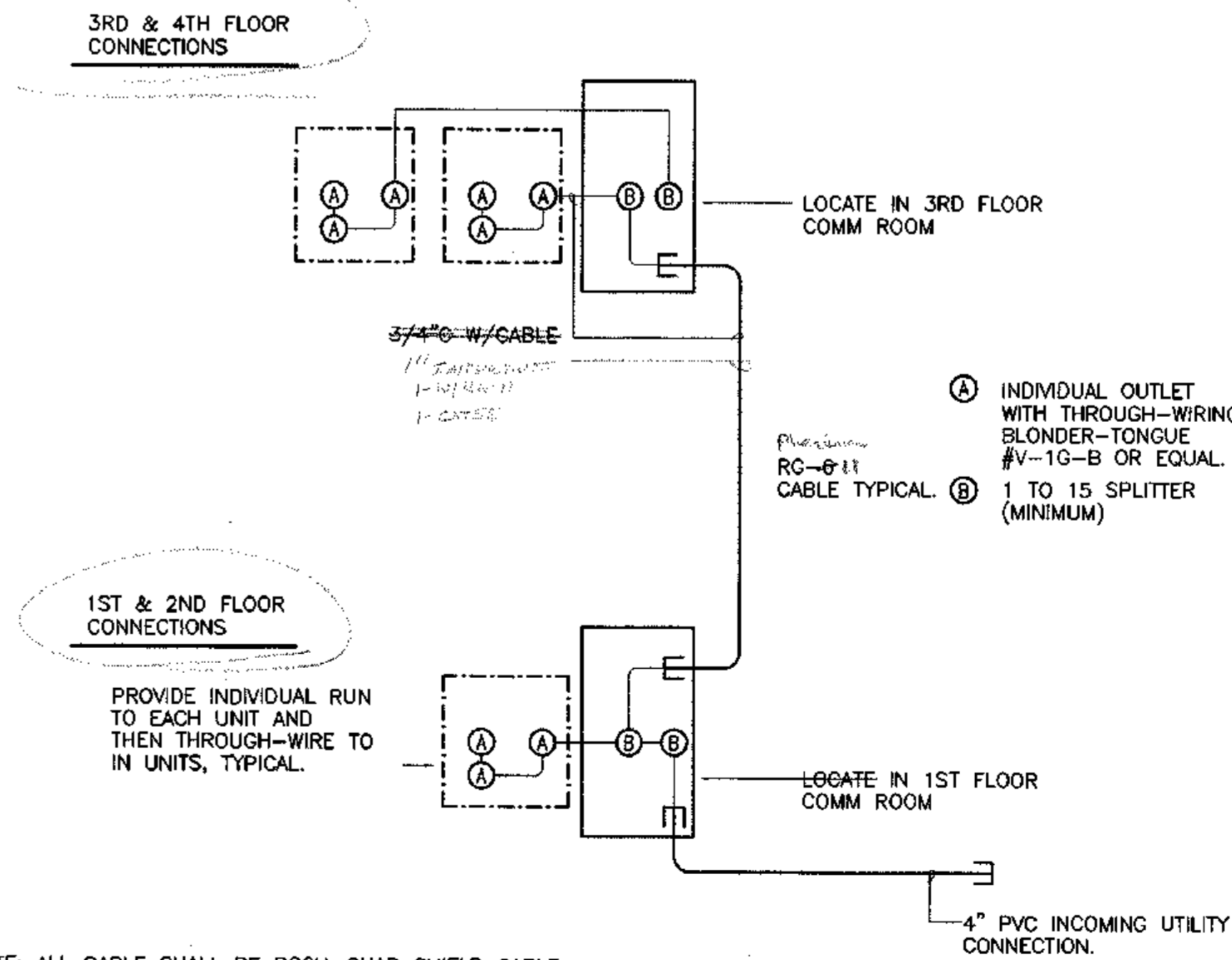


2 TELEPHONE SYSTEM SCHEMATIC

E4.0 SCALE: NTS

SIGNAL NOTE:

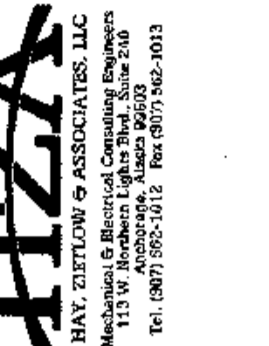
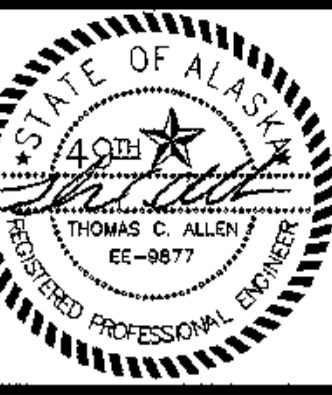
AT THE CONTRACTORS DISCRETION A CABLE TRAY MAY BE USED FOR ROUTING AND CABLING OF ALL SIGNAL WIRING IN LEUI OF A CONDUIT SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CABLE TRAY ROUTING AND PROVIDING ADEQUATE ACCESS AT ALL LOCATIONS. ALL WIRING/CABLING SHALL ENTER A CONDUIT SYSTEM IMMEDIATELY UPON EXIT OF THE CABLE TRAY. IF CABLE TRAY IS NOT USED ALL SIGNAL WIRING/CABLING SHALL BE INSTALLED IN CONDUIT.



NOTE: ALL CABLE SHALL BE RG6U-QUAD SHIELD CABLE.

4 CABLE TELEVISION SCHEMATIC DIAGRAM

E4.0 SCALE: NTS



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TYONEK TERRACES
 Anchorage, Alaska

REVISIONS

CONSTRUCTION SET

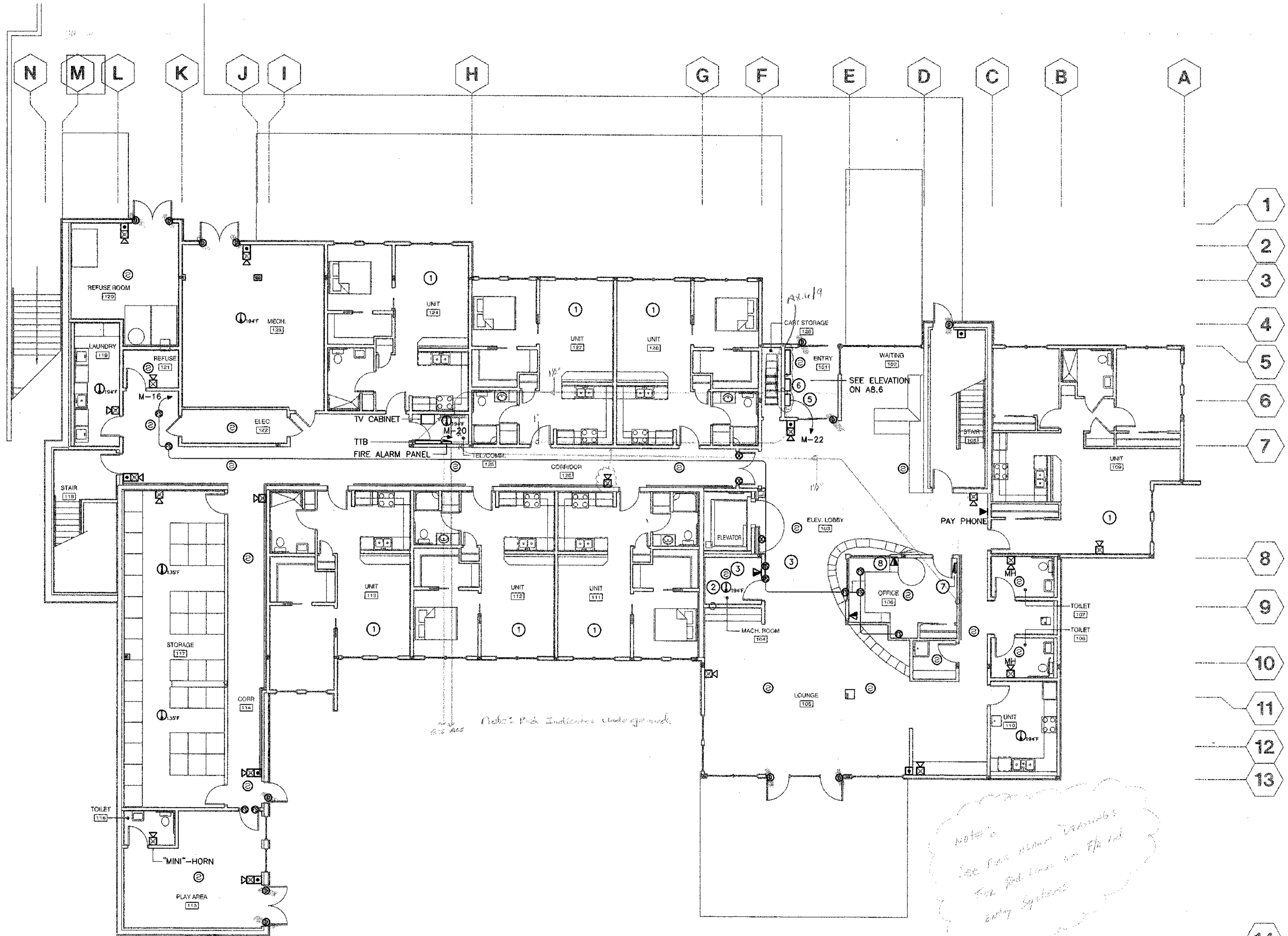
JOB NO. 2003.025.0
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SIGNAL RISERS

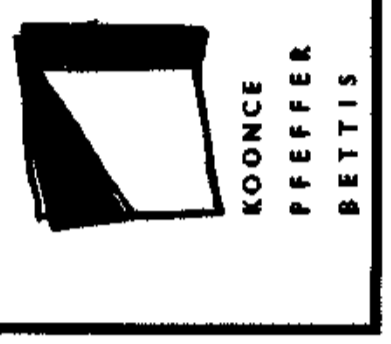
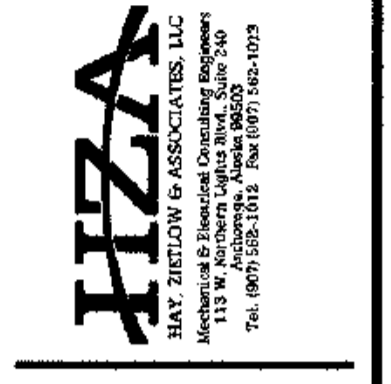
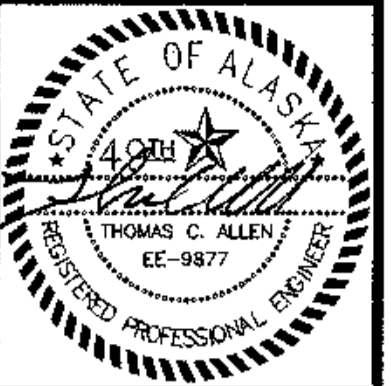
SHEET NO. E4.0

SHEET NOTES

- 1 SEE TYPICAL UNIT PLANS FOR ENLARGED SIGNAL PLANS.
- 2 PROVIDE HEAT DETECTOR WITH TWO SETS OF CONTACTS. CONNECT ONE SET OF CONTACTS TO THE FIRE ALARM SYSTEM AND THE OTHER SET OF CONTACTS TO ACTIVATE THE SHUNT TRIP ON THE ELEVATOR FEEDER CIRCUIT BREAKER AND TO OPEN THE SOLENOID VALVE(S) ON THE SPRINKLER LINE(S) SERVING THE ELEVATOR SHAFT AND MACHINE ROOM IN ACCORDANCE WITH RULE 102.2(c)(4) OF ASME A17.1-1996.
- 3 CONNECT DETECTORS IN SHAFT, LOBBIES AND MACHINE ROOM TO CAPTURE AND RETURN ELEVATOR IN ACCORDANCE WITH ASME 17.1 RULE 211.3b.
- 4 COORDINATE WITH MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN.
- 5 CARD READER. REFERENCE SCHEMATIC ON E4.0 AND SPECIFICATIONS. SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.
- 6 ENTRY SYSTEM DIAL-UP FOR CONTACT OF RESIDENCE BY VISITOR. SEE RISER ON E4.0. SYSTEM SHALL NOT RELY ON TENANT HAVING ANY FORM OF TELEPHONE SERVICE FOR PROPER OPERATION. SYSTEM SHALL OPERATE INDEPENDENTLY OF TELEPHONE AND TELEPHONE SERVICE. PROVIDE ALL REQUIRED CONNECTIONS AND APPURTENANCES AS NECESSARY FOR A COMPLETE SYSTEM.
- 7 CONTROL CABINET FOR CARD ACCESS SYSTEM.
- 8 PROVIDE 3/4" CONDUIT WITH 2 CATEGORY 6 CABLES TO FIRST FLOOR COMMUNICATION ROOM. PROVIDE 10' OF COILED SLACK AT EACH END FOR FINAL TERMINATION BY OWNER.



1 FIRST FLOOR SIGNAL PLAN
 E4.1 SCALE: 1/8" = 1'-0"



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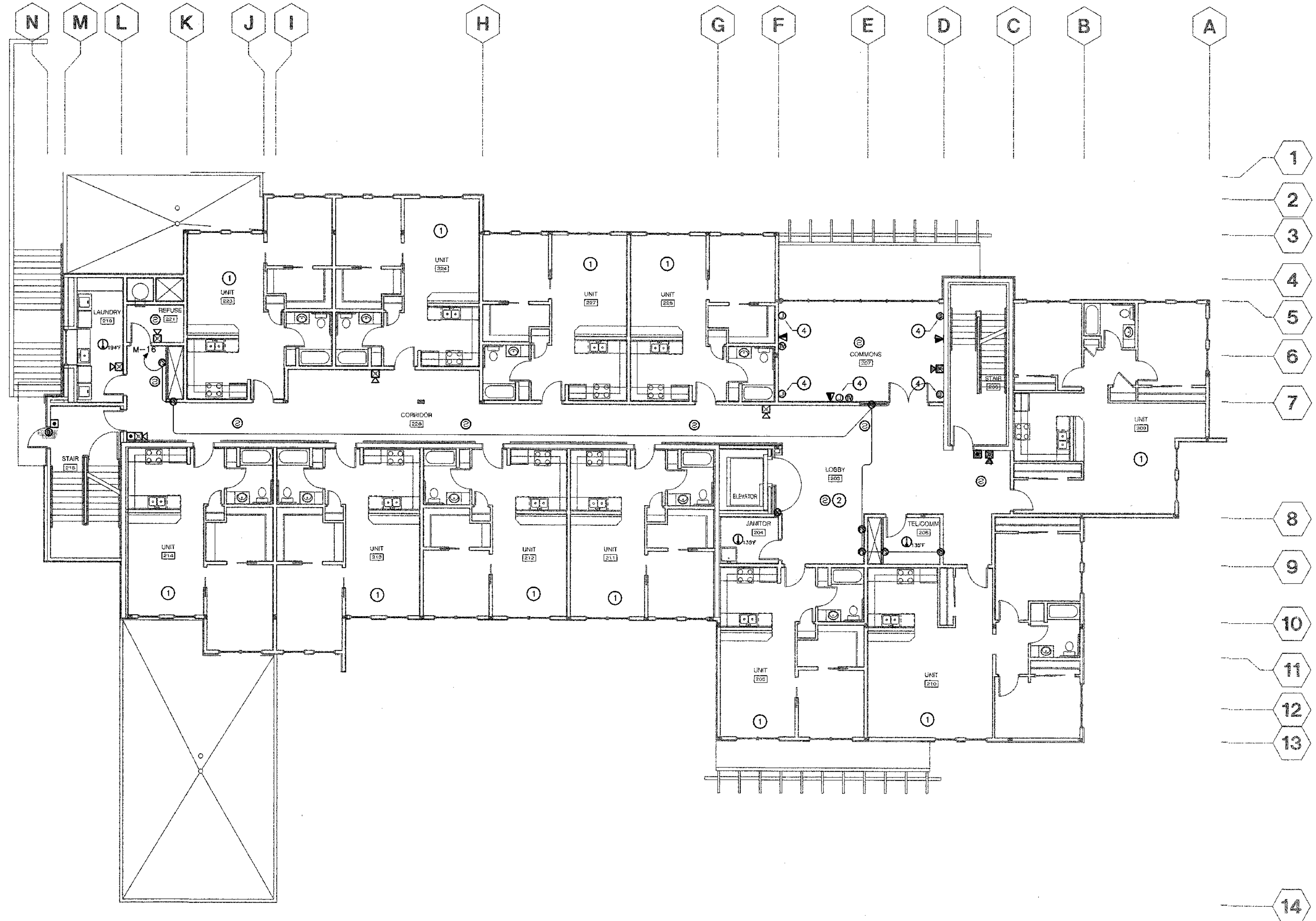
REVISIONS	

FIRST FLOOR SIGNAL PLAN

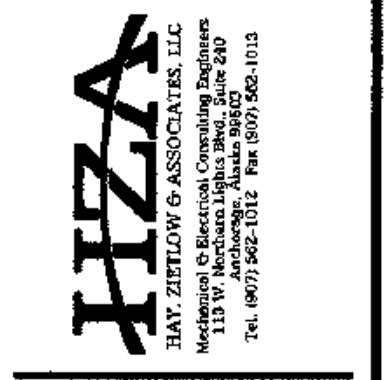
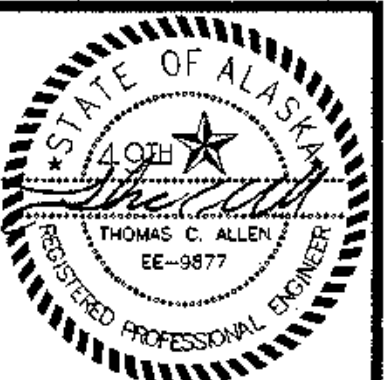
SHEET NO. **E4.1**

SHEET NOTES

- 1 SEE TYPICAL UNIT PLANS FOR ENLARGED SIGNAL PLANS.
- 2 CONNECT DETECTORS IN SHAFT, LOBBIES AND MACHINE ROOM TO CAPTURE AND RETURN ELEVATOR IN ACCORDANCE WITH ASME 17.1 RULE 211.3b.
- 3 COORDINATE WITH MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN.
- 4 PROVIDE JUNCTION BOX WITH 1/2" CONDUIT (AND PULL STRING) FROM CEILING BOX TO JUNCTION BOX NEXT TO CABLE TV LOCATION FOR FUTURE SURROUND SOUND CONNECTIONS. COORDINATE WITH ARCHITECT FOR EXACT LOCATIONS AND HEIGHTS PRIOR TO ROUGH-IN.



1 SECOND FLOOR SIGNAL PLAN
E4.2 SCALE: 1/8" = 1'-0"



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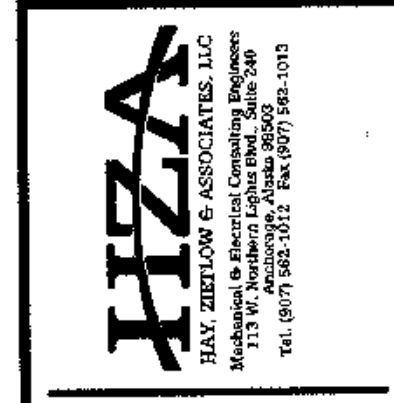
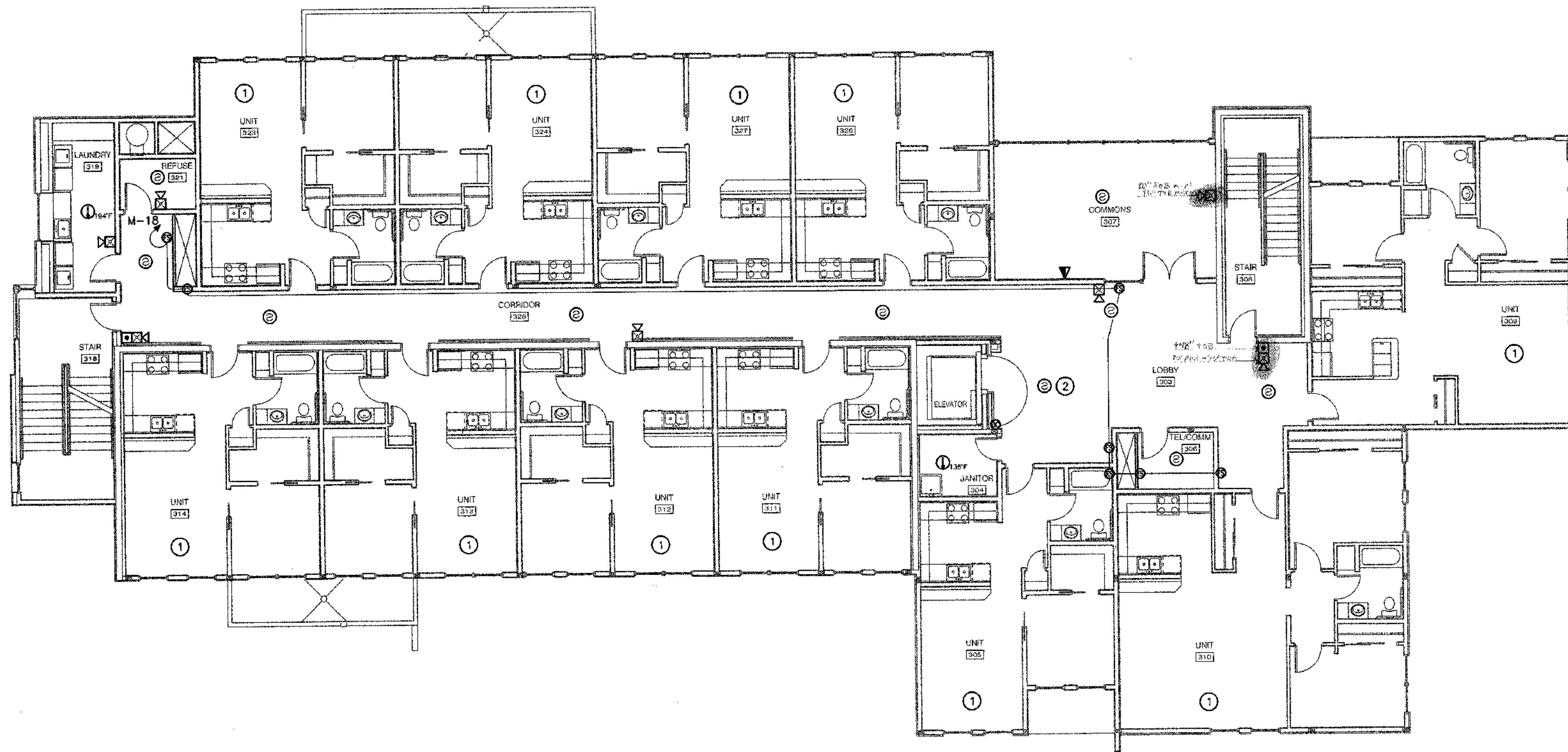
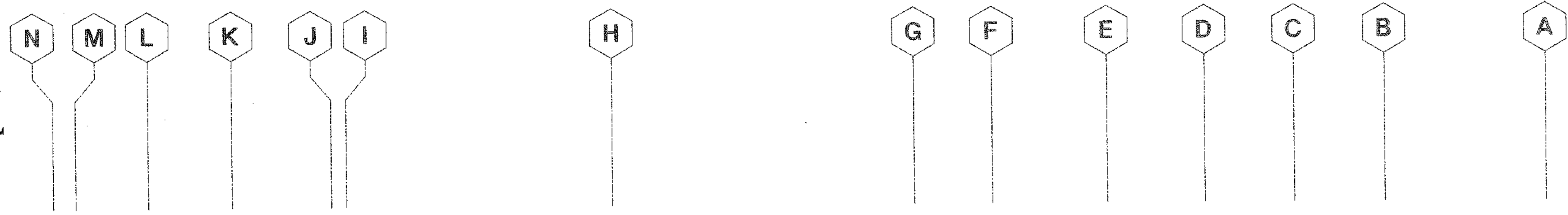
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SECOND FLOOR SIGNAL PLAN

SHEET NO. **E4.2**

SHEET NOTES

- ① SEE TYPICAL UNIT PLANS FOR ENLARGED SIGNAL PLANS.
- ② CONNECT DETECTORS IN SHAFT, LOBBIES AND MACHINE ROOM TO CAPTURE AND RETURN ELEVATOR IN ACCORDANCE WITH ASME 17.1 RULE 211.3b.
- ③ COORDINATE WITH MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN.
- ④ PROVIDE JUNCTION BOX WITH 1/2" CONDUIT (AND PULL STRING) FROM CEILING BOX TO JUNCTION BOX NEXT TO CABLE TV LOCATION FOR FUTURE SURROUND SOUND CONNECTIONS. COORDINATE WITH ARCHITECT FOR EXACT LOCATIONS AND HEIGHTS PRIOR TO ROUGH-IN.



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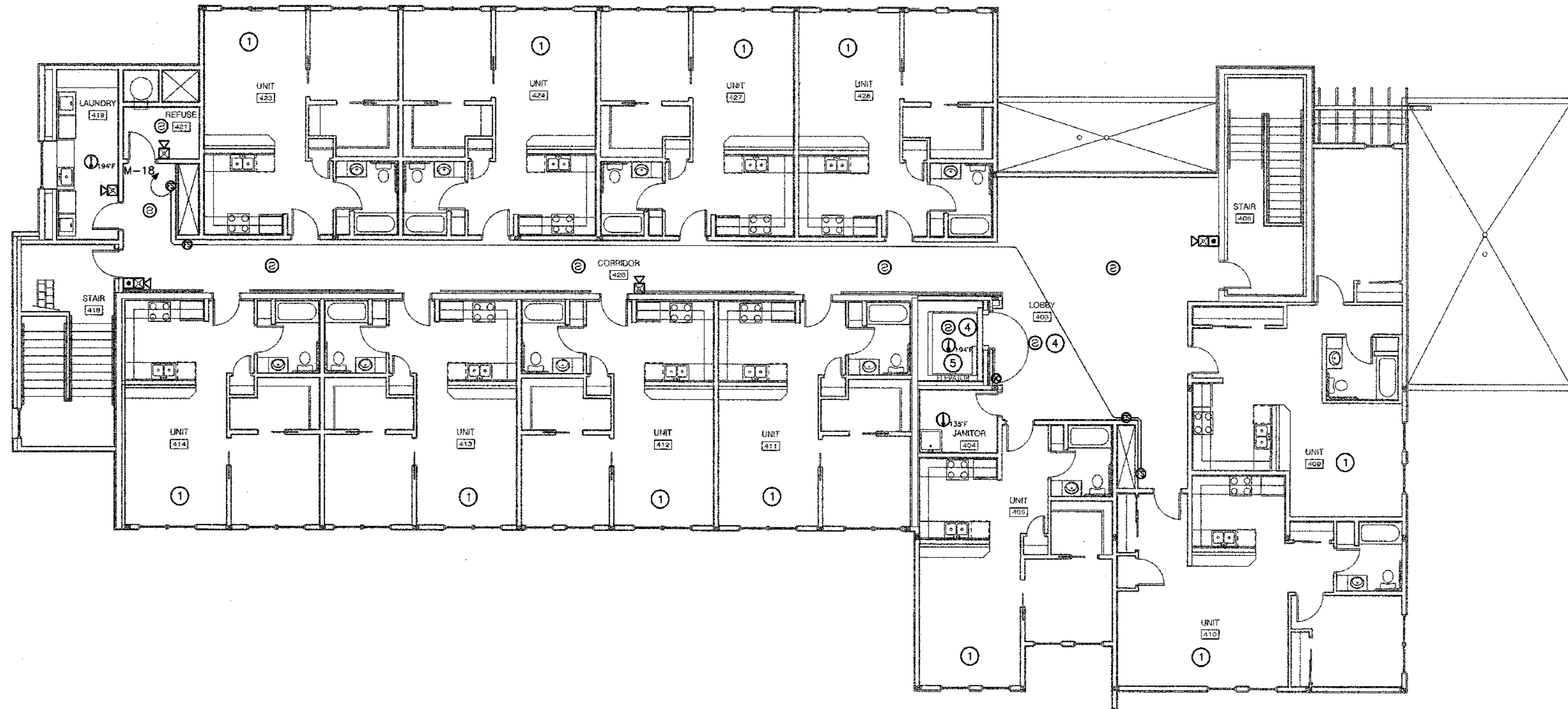
THIRD FLOOR
 SIGNAL PLAN

SHEET NO.
E4.3

1 THIRD FLOOR SIGNAL PLAN
 E4.3 SCALE: 1/8" = 1'-0"

SHEET NOTES

- 1 TYPICAL TWO BEDROOM UNIT WEST WING. SEE 1/E3.0 FOR ENLARGED SIGNAL PLAN THIS AREA.
- 2 TYPICAL ONE BEDROOM UNIT. SEE 2/E3.0 FOR ENLARGED SIGNAL PLAN THIS AREA.
- 3 TYPICAL ONE BEDROOM UNIT MIRRORED. SEE 2/E3.0 FOR ENLARGED SIGNAL PLAN THIS AREA.
- 4 CONNECT DETECTORS IN SHAFT, LOBBIES AND MACHINE ROOM TO CAPTURE AND RETURN ELEVATOR IN ACCORDANCE WITH ASME 17.1 RULE 211.3b.
- 5 PROVIDE HEAT DETECTOR WITH TWO SETS OF CONTACTS. CONNECT ONE SET OF CONTACTS TO THE FIRE ALARM SYSTEM AND THE OTHER SET OF CONTACTS TO ACTIVATE THE SHUNT TRIP ON THE ELEVATOR FEEDER CIRCUIT BREAKER AND TO OPEN THE SOLENOID VALVE(S) ON THE SPRINKLER LINE(S) SERVING THE ELEVATOR SHAFT AND MACHINE ROOM IN ACCORDANCE WITH RULE 102.2(c)(4) OF ASME A17.1-1996.
- 6 COORDINATE WITH MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN.
- 7 PROVIDE JUNCTION BOX WITH 1/2" CONDUIT (AND PULL STRING) FROM CEILING BOX TO JUNCTION BOX NEXT TO CABLE TV LOCATION FOR FUTURE SURROUND SOUND CONNECTIONS. COORDINATE WITH ARCHITECT FOR EXACT LOCATIONS AND HEIGHTS PRIOR TO ROUGH-IN.



1 FOURTH FLOOR SIGNAL PLAN
E4.4 SCALE: 1/8" = 1'-0"



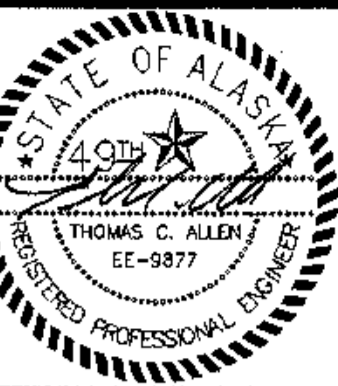
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FOURTH FLOOR
SIGNAL PLAN

SHEET NO.
E4.4



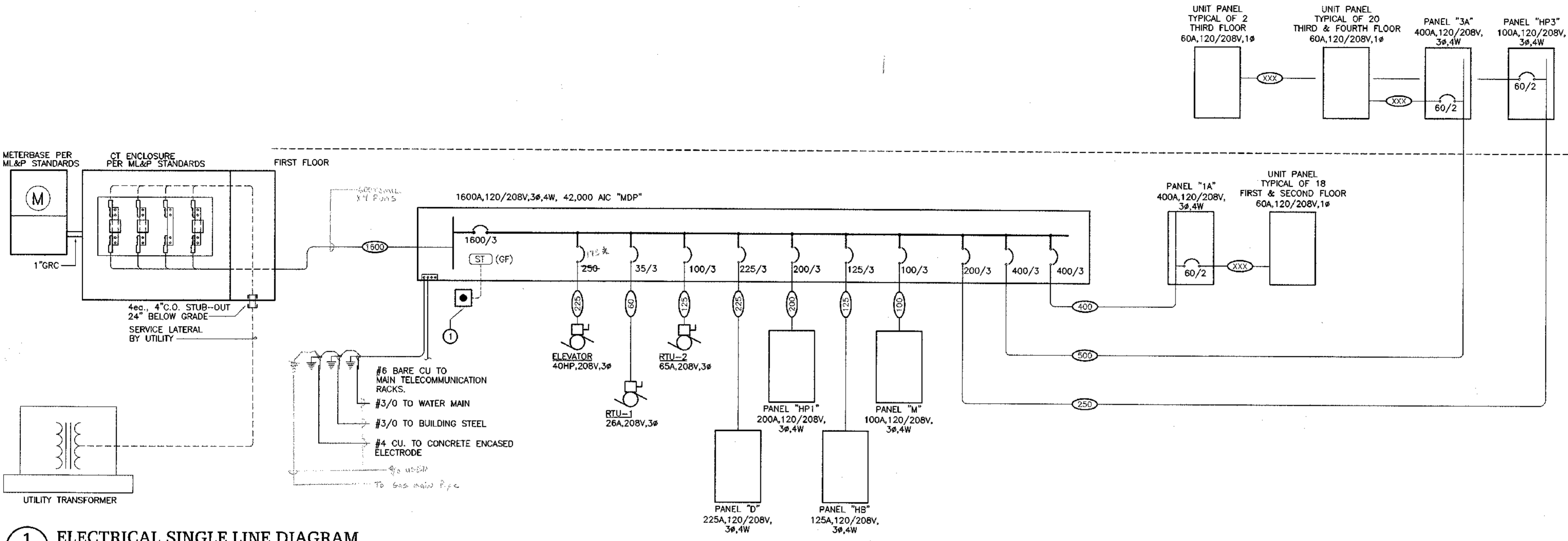
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ELECTRICAL
SINGLE LINE
DIAGRAM

SHEET NO.
E5.0



1 ELECTRICAL SINGLE LINE DIAGRAM
 E5.0 SCALE: NTS

SHEET NOTES

- 1 SHUNT TRIP BUTTON LOCATED NEXT TO EXTERIOR SERVICE, COORDINATE REQUIREMENTS AND PLACEMENT WITH UTILITY.

UNIT FEEDER SIZING TABLE

LENGTH OF FEEDER	SIZING
0-125'	1 1/4" WITH 3#4 W/#6GND
125' - 175'	1 1/2" WITH 3#3 W/#4 GND

Run 1" Conduit 2 Approaches By Tom Allen 10-2003
 5-10-04
 * Elevator Down Speed - 175 R Barbra.
 And 1/2" w/ #6 Ground (Tom Allen)

FEEDER SCHEDULE

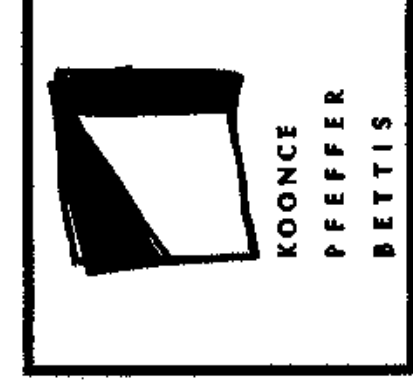
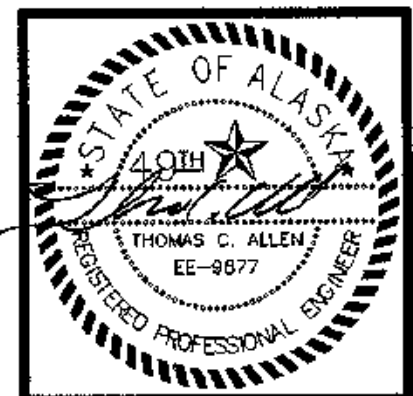
TAG ID	QUANTITY	CONDUIT	CONDUCTORS	NOTES
50	1 RUN	1"	3#6,1#6N,1#10G	2
60	1 RUN	1"	3#4,1#4N,1#10G	2
70	1 RUN	1"	3#4,1#4N,1#8G	2
80	1 RUN	1 1/4"	3#2,1#2N,1#8G	2
90	1 RUN	1 1/4"	3#2,1#2N,1#8G	2
100	1 RUN	1 1/4"	3#2,1#2N,1#8G	2
125	1 RUN	1 1/2"	3#1,1#1N,1#6G	2
150	1 RUN	2"	3#6,1#6N,1#6G	2
175	1 RUN	2"	3#6,1#6N,1#6G	2
200	1 RUN	2"	3#6,1#6N,1#4G	2
225	1 RUN	2 1/2"	3#6,1#6N,1#2G	2
250	1 RUN	3"	3#250,1#250N,1#2G	2
300	1 RUN	3"	3#350,1#350N,1#2G	2
400	1 RUN	4"	3#500,1#500N,1#6G	
500	2 RUNS	3"	3#250,1#250N,1#6G	
600	2 RUNS	3"	3#350,1#350N,1#6G	
800	2 RUNS	4"	3#500,1#500N,1#6G	
1200	4 RUNS	3"	3#350,1#350N,1#6G	
1600	5 RUNS	4"	3#500,1#500N,1#6G	

NOTES TO FEEDER SCHEDULE:
 1. CONDUCTOR SIZING BASED ON COPPER CONDUCTORS IN METALLIC CONDUIT PER NEC TABLE 310-16 USING 60°C RATING FOR CIRCUITS LESS THAN 100 AMPS AND 75°C RATING FOR CIRCUITS GREATER THAN 100 AMPS. CONDUIT SIZING BASED ON TYPE XHHW INSULATED CONDUCTORS IN EMT CONDUIT PER NEC TABLE C1.
 2. UNLESS NOTED OTHERWISE NEUTRAL CONDUCTOR NOT REQUIRED FOR MOTOR FEEDERS AND TRANSFORMER PRIMARY FEEDERS.

MDP

CIRCUIT	LOAD DESCRIPTION	120/208V, 3PH, 4W			LOAD DESCRIPTION	POLE	AMP
		PHASE A VA	PHASE B VA	PHASE C VA			
1	ELEVATOR	11,040	13,500		PANEL HP	2	
3	RTU-1	3,120	10,593		PANEL M	4	
5	RTU-2	6,000	16,605		PANEL HP3	6	
7	PANEL D	20,250	40,000		PANEL 3A	8	
8	PANEL HP1	14,548	36,000		PANEL 1A	10	
11						12	
13						14	
15						16	
17						18	
CONNECTED LOAD (VA)		171,856	171,071	171,183			513,866 VA
CONNECTED LOAD (AMPERES)		1,430	1,420	1,427			1,428 A
DEMAND LOAD (VA)		173,155	172,571	172,283			518,408 VA
DEMAND LOAD (AMPERES)		1,443	1,438	1,439			1,440 A
AMPERE INTERRUPT RATING							38,000 AIC

SEE SPECIFICATIONS FOR ALL REQUIREMENTS



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ELECTRICAL
PANEL SCHEDULES

SHEET NO.
E5.1

ELECTRICAL LOAD ANALYSIS WORSE CASE SINGLE UNIT
 General Lighting and Small Appliance Load

Load Occupancy	Area	VA/square ft. units	
Dwelling Unit	815	3	2,445 VA
Small Appliance Circuits		3KVA	3,000 VA
Subtotal general lighting			5,445 VA
General Lighting Load			
First 3K @ 100%			3,000 VA
From 3k to 120K @35%			1,000 VA
Total General Lighting Load			4,900 VA
Range			6,400 VA
Disposal			1,500 VA
Dishwasher			1,500 VA
Total Demand Load			14,300 VA
			40 A

ELECTRICAL LOAD ANALYSIS PANEL 1A
 General Lighting and Small Appliance Load

Load Occupancy	Area	VA/square ft. units	
Dwelling Units	11,770	3 All	35,310 VA
Small Appliance Circuits		3KVA	54,000 VA
Subtotal general lighting			89,310 VA
General Lighting Load			
First 3K @ 100%			3,000 VA
From 3k to 120K @35%			31,250 VA
Total General Lighting Load			34,250 VA
Range		Total of 18 Per NEC 220.19	33,000 VA
Disposal		Total of 18 at 75% per NEC 220.17	26,250 VA
Dishwasher		Total of 18 at 75% per NEC 220.17	20,250 VA
Total Demand Load			107,750 VA
			299 A

ELECTRICAL LOAD ANALYSIS PANEL 3A
 General Lighting and Small Appliance Load

Load Occupancy	Area	VA/square ft. units	
Dwelling Units	14,400	3 All	43,200 VA
Small Appliance Circuits		3KVA	60,000 VA
Subtotal general lighting			103,200 VA
General Lighting Load			
First 3K @ 100%			3,000 VA
From 3k to 120K @35%			38,120 VA
Total General Lighting Load			39,120 VA
Range		Total of 20 Per NEC 220.19	35,000 VA
Disposal		Total of 20 at 75% per NEC 220.17	22,500 VA
Dishwasher		Total of 20 at 75% per NEC 220.17	22,500 VA
Total Demand Load			119,120 VA
			331 A

PANEL HP1 SCHEDULE
 120/208V, 3PH, 4W 200A MLO

DLT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	DLT	
1	20	1	LTG - PARKING LOT	1,630	1,830		LTG - LOBBY AREA	1	20	2	
3	20	1	LTG - BUILDING		900	1,570	LTG - LOBBY AREA	1	20	4	
5	20	1	LTG - BUILDING SIGN			1,100	1,800	LTG - LOUNGE	1	6	
7	20	1	REC - CHUTE/TRASH	1,920			LTG - LOBBY/LOUNGE	1	20	8	
9	20	1	REC - STORAGE CORR		1,440	1,680	LTG - 1ST FLOOR LOBBY CORR	1	20	10	
11	20	1	REC - TELECOMM/CATV			720	1,725	LTG - 1ST FLOOR CORRIDOR	1	20	12
13	20	1	REC - TELECOMM/CATV	720	1,530		LTG - STORAGE	1	20	14	
15	20	1	REC - PLAY ROOM		1,540	1,020	LTG - WEST STAIRWAY	1	20	16	
17	20	1	REC - WAITING/STAIRWAY			1,260	1,340	LTG - FIRST FLOOR MECH.	1	20	18
19	20	1	REC - OFFICE	1,080	955		LTG - 1ST FLOOR PLAY AREA	1	20	20	
21	20	1	REC - LOUNGE		1,540	1,860	LTG - 2ND FLOOR COR. LOBBY	1	20	22	
23	20	1	REC - RESTROOM			560	1,115	LTG - 2ND FLOOR CORRIDOR	1	20	24
25	20	1	AUTOMATIC DOORS		840		LTG - 2ND FLOOR GAME ROOM	1	20	26	
27	20	1	REC - KITCHENETTE		1,900	900	REC - MECHANICAL ROOM	1	20	28	
29	20	1	REC - KITCHENETTE			1,500	720	REC - MECHANICAL ROOM	1	20	30
31	20	1	DISHWASHER	1,200	720		REC - ELECTRICAL ROOM	1	20	32	
33	50		STOVE		4,050	1,090	REC - 2ND FLR COMMON STAIR	1	20	34	
35	20	1	DISPOSAL	1,200	640		REC - 2ND FLR JAN/TELECOM	1	20	36	
37	20	1	REC - 2ND FLOOR CORRIDOR		1,030	1,160	REC - 2ND FLR JAN/TELECOM	1	20	38	
39	20	1	REC - 1ST FLOOR CORRIDOR			720	SPARE	1	20	40	
41	20	1	REC - 1ST FLOOR CORRIDOR				SPARE	1	20	42	
CONNECTED LOAD (VA)			14,165	21,350	17,810				53,725 VA		
CONNECTED LOAD (AMPERES)			118	178	147				148 A		
DEMAND LOAD (VA)			14,548	21,575	17,885				54,005 VA		
DEMAND LOAD (AMPERES)			121	190	149				150 A		
AMPERE INTERRUPT RATING									10,000 AIC		

PANEL HP3 SCHEDULE
 120/208V, 3PH, 4W 200A MLO

DLT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	DLT	
1	20	1	LTG - EAST STAIRWELL	1,085	1,440		REC - 3RD FLR ELEC/COMM. RM	1	20	2	
3	20	1	LTG - 3RD FLOOR LOBBY		1,365	1,540	REC - 3RD FLOOR CORRIDOR	1	20	4	
5	20	1	LTG - 3RD FLOOR CORRIDOR			1,910	REC - 3RD TRASH LAUNDRY	1	20	6	
7	20	1	LTG - 3RD FLOOR COR. LIBRARY	1,615	1,440		REC - 3RD LIBRARY	1	20	8	
9	20	1	LTG - 4TH FLOOR CORRIDOR		1,845		REC - 4TH TRASH LAUNDRY	1	20	10	
11	20	1	LTG - 4TH FLOOR CORRIDOR			1,920	1,080	REC - 4TH CORRIDOR	1	20	12
13	20	1	LTG - 4TH FLOOR CORRIDOR		1,360		REC - 4TH SITTING AREA/JANIT	1	20	14	
15	20	1	LTG - 1ST FLOOR CORRIDOR			1,250	360	REC - 100' OFF OF	1	20	16
17	20	1	LTG - 2ND FLOOR CORRIDOR			1,320	530	REC - 2ND FLOOR CORRIDOR	1	20	18
19	20	1	LTG - 2ND FLOOR CORRIDOR	1,120	720		REC - 2ND FLOOR CORRIDOR	1	20	20	
21	20	1	SPARE				SPARE	1	20	22	
23	20	1	SPARE				SPARE	1	20	24	
25	20	1	SPARE				SPARE	1	20	26	
27	20	1	SPARE				SPARE	1	20	28	
29	20	1	SPARE				SPARE	1	20	30	
31	20	1	SPARE				SPARE	1	20	32	
33	20	1	SPARE				SPARE	1	20	34	
35	20	1	SPARE				SPARE	1	20	36	
37	20	1	SPARE			7,150	SPARE	1	20	38	
39	20	1	SPARE			7,150	SPARE	1	20	40	
41	20	1	SPARE			7,150	SPARE	1	20	42	
CONNECTED LOAD (VA)			15,930	13,540	21,060				50,530 VA		
CONNECTED LOAD (AMPERES)			133	113	178				140 A		
DEMAND LOAD (VA)			16,005	13,585	21,535				52,035 VA		
DEMAND LOAD (AMPERES)			135	116	179				145 A		
AMPERE INTERRUPT RATING									10,000 AIC		

PANEL 1A SCHEDULE
 120/208V, 3PH, 4W 400A MLO

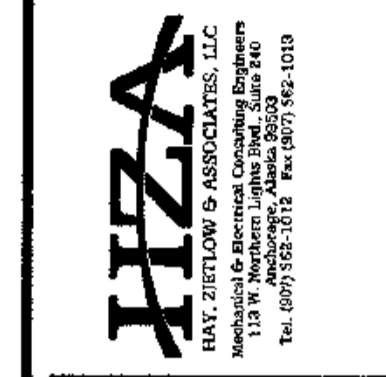
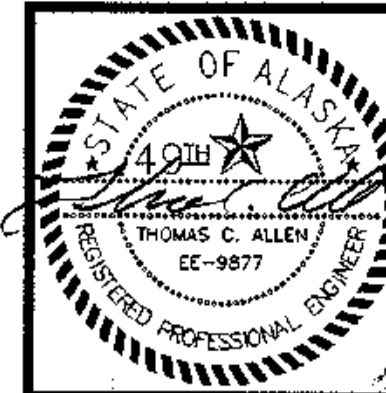
DLT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	DLT
1	60	2	UNIT PANEL 100	7,150	7,150		UNIT PANEL 100	2	60	2
3	60	2	UNIT PANEL 104		7,150	7,150	UNIT PANEL 104	2	60	4
5	60	2	UNIT PANEL 104	7,150	7,150		UNIT PANEL 104	2	60	6
7	60	2	UNIT PANEL 102		7,150	7,150	UNIT PANEL 102	2	60	8
9	60	2	UNIT PANEL 102	7,150	7,150		UNIT PANEL 102	2	60	10
11	60	2	UNIT PANEL 102		7,150	7,150	UNIT PANEL 102	2	60	12
13	60	2	UNIT PANEL 102	7,150	7,150		UNIT PANEL 102	2	60	14
15	60	2	UNIT PANEL 102		7,150	7,150	UNIT PANEL 102	2	60	16
17	60	2	UNIT PANEL 102	7,150	7,150		UNIT PANEL 102	2	60	18
19	60	2	UNIT PANEL 102		7,150	7,150	UNIT PANEL 102	2	60	20
21	60	2	UNIT PANEL 102	7,150	7,150		UNIT PANEL 102	2	60	22
23	60	2	UNIT PANEL 102		7,150	7,150	UNIT PANEL 102	2	60	24
25	60	2	UNIT PANEL 102	7,150	7,150		UNIT PANEL 102	2	60	26
27	60	2	UNIT PANEL 102		7,150	7,150	UNIT PANEL 102	2	60	28
29	60	2	UNIT PANEL 102	7,150	7,150		UNIT PANEL 102	2	60	30
31	60	2	UNIT PANEL 102		7,150	7,150	UNIT PANEL 102	2	60	32
33	60	2	UNIT PANEL 102	7,150	7,150		UNIT PANEL 102	2	60	34
35	60	2	UNIT PANEL 102		7,150	7,150	UNIT PANEL 102	2	60	36
37	60	2	UNIT PANEL 102	7,150	7,150		UNIT PANEL 102	2	60	38
39	60	2	UNIT PANEL 102		7,150	7,150	UNIT PANEL 102	2	60	40
41	60	2	UNIT PANEL 102	7,150	7,150		UNIT PANEL 102	2	60	42
CONNECTED LOAD (VA)			100,100	100,100	100,100				300,300 VA	
CONNECTED LOAD (AMPERES)			834	834	834				834 A	
DEMAND LOAD (VA)			36,000	36,000	36,000				108,000 VA	
DEMAND LOAD (AMPERES)			300	300	300				300 A	
AMPERE INTERRUPT RATING									10,000 AIC	

PANEL 3A SCHEDULE
 120/208V, 3PH, 4W 400A MLO

DLT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	DLT
1	60	2	UNIT PANEL 307	7,150	7,150		UNIT PANEL 307	2	60	2
3	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	4
5	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	6
7	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	8
9	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	10
11	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	12
13	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	14
15	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	16
17	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	18
19	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	20
21	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	22
23	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	24
25	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	26
27	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	28
29	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	30
31	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	32
33	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	34
35	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	36
37	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	38
39	60	2	UNIT PANEL 302		7,150	7,150	UNIT PANEL 302	2	60	40
41	60	2	UNIT PANEL 302	7,150	7,150		UNIT PANEL 302	2	60	42
CONNECTED LOAD (VA)			100,100	100,100	100,100				300,300 VA	
CONNECTED LOAD (AMPERES)			834	834	834				834 A	
DEMAND LOAD (VA)			40,000	40,000	40,000				120,000 VA	
DEMAND LOAD (AMPERES)			333	333	333				333 A	
AMPERE INTERRUPT RATING									10,000 AIC	

PANEL D SCHEDULE
 120/208V, 3PH, 4W 225A MLO

DLT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	DLT
1	20	1	WASHER (Laundry 118)	1,500	2,500		DRYER (Laundry 118)	1	20	2
3	20	1	WASHER (Laundry 118)		1,500	2,500	DRYER (Laundry 118)	1	20	4
5	20	1	WAS							



UNIT PANEL A SCHEDULE									
120/208V, 1PH, 3W 100 A MLO									
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT
1	20	1	LTG	4050		RANGE	2	50	2
3	20	1	LTG		4050		2	50	4
5	20	1	SPARE	1500		KITCHEN	1	20	6
7	20	1	SPARE		1500	KITCHEN	1	20	8
9	20	1	SPARE				1	20	10
11	-	1	SPACE				1	20	12
13	-	1	SPACE				1	20	14
15	-	1	SPACE				1	20	16
17	-	1	SPACE				1	20	18
19	-	1	SPACE				1	20	20
CONNECTED LOAD (VA)				8,100	7,930	16,120 VA			
CONNECTED LOAD (AMPERES)				68	66	78 A			
DEMAND LOAD (VA)									
DEMAND LOAD (AMPERES)									
AMPERE INTERRUPT RATING						10,000 AIC			
A - ARC FAULT BREAKER, GF - GRC									

Kainer Electrical, Inc. call: 907-357-1087

Panel:
Volts : 120/208
Phase: 1/0

1	Bedroom Power, Lighting & Smokes A	2	Range
3	Lighting	4	
5	Bathroom - Lighting	6	Kitchen - Receptacles
7	Space	8	Kitchen - Receptacles
9	Space	10	Disposal
11	Space	12	Dishwasher
13	Space	14	Living room - Receptacles
15	Space	16	Living room - Receptacles
17	Space	18	Space
19	Bathroom - Receptacle G	20	Space

A - Arc Fault Breaker Protected
G - GFCI Protected

Unit #

1st floor - 102,104,105,106,107,109

2nd floor - 202,203,204,205,206, 207,208,209,211

3rd floor - 302,303,304,305,306, 307,308,309,311

4th floor - 400,401,402,403,404, 405,406,407,408,409 411

UNIT PANEL B SCHEDULE									
120/208V, 1PH, 3W 100 A MLO									
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT
1	20	1	LTG				2	50	2
3	20	1	LTG				2	50	4
5	20	1	SPARE				1	20	6
7	20	1	SPARE				1	20	8
9	20	1	SPARE				1	20	10
11	-	1	SPACE				1	20	12
13	-	1	SPACE				1	20	14
15	-	1	SPACE				1	20	16
17	-	1	SPACE				1	20	18
19	-	1	SPACE				1	20	20
CONNECTED LOAD (VA)									
CONNECTED LOAD (AMPERES)									
DEMAND LOAD (VA)									
DEMAND LOAD (AMPERES)									
AMPERE INTERRUPT RATING									
A - ARC FAULT BREAKER, GF - GRC									

UNIT PANEL C SCHEDULE									
120/208V, 1PH, 3W 100 A MLO									
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT
1	20	1	LTG				2	50	2
3	20	1	LTG				2	50	4
5	20	1	SPARE				1	20	6
7	20	1	SPARE				1	20	8
9	20	1	SPARE				1	20	10
11	-	1	SPACE				1	20	12
13	-	1	SPACE				1	20	14
15	-	1	SPACE				1	20	16
17	-	1	SPACE				1	20	18
19	20	1	REC - BATHROOM				1	20	20
CONNECTED LOAD (VA)									
CONNECTED LOAD (AMPERES)									
DEMAND LOAD (VA)									
DEMAND LOAD (AMPERES)									
AMPERE INTERRUPT RATING									
A - ARC FAULT BREAKER, GF - GRC									

UNIT PANEL D SCHEDULE									
120/208V, 1PH, 3W 100 A MLO									
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT
1	20	1	LTG	4050		RANGE	2	50	2
3	20	1	LTG		4050		2	50	4
5	20	1	SPARE	1500		KITCHEN	1	20	6
7	20	1	SPARE		1500	KITCHEN	1	20	8
9	20	1	SPARE	1200		DISPOSAL	1	20	10
11	-	1	SPACE		1200	DISHWASHER	1	20	12
13	-	1	SPACE	720		REC - LIVING	1	20	14
15	-	1	SPACE		900	REC - ROOM	1	20	16
17	-	1	SPACE	720		REC - LIVING	1	20	18
19	-	1	SPACE		280	REC - BATHROOM	1	20	20
CONNECTED LOAD (VA)				8,190	7,930	16,120 VA			
CONNECTED LOAD (AMPERES)				68	66	78 A			
DEMAND LOAD (VA)									
DEMAND LOAD (AMPERES)									
AMPERE INTERRUPT RATING						10,000 AIC			
A - ARC FAULT BREAKER, GF - GROUND FAULT BREAKER									

UNIT PANEL E SCHEDULE									
120/208V, 1PH, 3W 100 A MLO									
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT
1	20	1	LTG	4050		RANGE	2	50	2
3	20	1	LTG		4050		2	50	4
5	20	1	SPARE	1500		KITCHEN	1	20	6
7	20	1	SPARE		1500	KITCHEN	1	20	8
9	20	1	SPARE	1200		DISPOSAL	1	20	10
11	-	1	SPACE		1200	DISHWASHER	1	20	12
13	-	1	SPACE	720		REC - LIVING	1	20	14
15	-	1	SPACE		900	REC - ROOM	1	20	16
17	-	1	SPACE	720		REC - LIVING	1	20	18
19	20	1	REC - BATHROOM		280	REC - ROOM	1	20	20
CONNECTED LOAD (VA)				8,190	8,470	16,660 VA			
CONNECTED LOAD (AMPERES)				68	71	80 A			
DEMAND LOAD (VA)									
DEMAND LOAD (AMPERES)									
AMPERE INTERRUPT RATING						10,000 AIC			
A - ARC FAULT BREAKER, GF - GROUND FAULT BREAKER									

Kainer Electrical, Inc. call: 907-357-1087

Panel:
Volts : 120/208
Phase: 1/0

1	Bedroom Power & Lighting A	2	Range
3	Bedroom Power, Lighting & Smokes A	4	
5	Bathroom - Lighting	6	Kitchen - Receptacles
7	Lighting	8	Kitchen - Receptacles
9	Space	10	Disposal
11	Space	12	Dishwasher
13	Space	14	Space
15	Space	16	Space
17	Space	18	Living room - Receptacles
19	Bathroom - Receptacle G	20	Living room - Receptacles

A - Arc Fault Breaker Protected
G - GFCI Protected

Unit #

100,200,201,300,301

UNIT PANEL I SCHEDULE									
120/208V, 1PH, 3W 100 A MLO									
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT
1	20	1	LTG	4050		RANGE	2	50	2
3	20	1	LTG		4050		2	50	4
5	20	1	SPARE	1500		KITCHEN	1	20	6
7	20	1	SPARE		1500	KITCHEN	1	20	8
9	20	1	SPARE	1200		DISPOSAL	1	20	10
11	-	1	SPACE		1200	DISHWASHER	1	20	12
13	-	1	SPACE	720		REC - LIVING	1	20	14
15	-	1	SPACE		720	REC - LIVING	1	20	16
17	-	1	SPACE	1080		REC - ROOM	1	20	18
19	20	1	REC - ROOM		280	REC - ROOM	1	20	20
CONNECTED LOAD (VA)				8,550	8,650	17,200 VA			
CONNECTED LOAD (AMPERES)				71	72	83 A			
DEMAND LOAD (VA)									
DEMAND LOAD (AMPERES)									
AMPERE INTERRUPT RATING						10,000 AIC			
ER, GF - GROUND FAULT BREAKER									

SCHEDULE									
120/208V, 1PH, 3W 100 A MLO									
DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT			
	4050		RANGE	2	50	2			
		4050		2	50	4			
	1500		KITCHEN	1	20	6			
		1500	KITCHEN	1	20	8			
	1200		DISPOSAL	1	20	10			
		1200	DISHWASHER	1	20	12			
	720		REC - LIVING	1	20	14			
		720	REC - LIVING / ENTRY	1	20	16			
	720		REC - ROOM	1	20	18			
		280	REC - BATHROOM	1	20	20			
CONNECTED LOAD (VA)				8,190	7,750	15,940 VA			
CONNECTED LOAD (AMPERES)				68	65	77 A			
DEMAND LOAD (VA)									
DEMAND LOAD (AMPERES)									
AMPERE INTERRUPT RATING						10,000 AIC			
ER, GF - GROUND FAULT BREAKER									

SCHEDULE									
120/208V, 1PH, 3W 100 A MLO									
DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT			
	4050		RANGE	2	50	2			
		4050		2	50	4			
	1500		KITCHEN	1	20	6			
		1500	KITCHEN	1	20	8			
	1200		DISPOSAL	1	20	10			
		1200	DISHWASHER	1	20	12			
	280		REC - BATHROOM	1	20	14			
		720	REC - LIVING	1	20	16			
	1080		REC - LIVING	1	20	18			
		900	REC - ROOM	1	20	20			
CONNECTED LOAD (VA)				8,110	8,370	16,480 VA			
CONNECTED LOAD (AMPERES)				68	70	79 A			
DEMAND LOAD (VA)									
DEMAND LOAD (AMPERES)									
AMPERE INTERRUPT RATING						10,000 AIC			
ER, GF - GROUND FAULT BREAKER									

UNIT PANEL G SCHEDULE									
120/208V, 1PH, 3W 100 A MLO									
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT
1	20	1	LTG	4050		RANGE	2	50	2
3	20	1	LTG		4050		2	50	4
5	20	1	SPARE	1500		KITCHEN	1	20	6
7	20	1	SPARE		1500	KITCHEN	1	20	8
9	20	1	SPARE	1200		DISPOSAL	1	20	10
11	-	1	SPACE		1200	DISHWASHER	1	20	12
13	-	1	SPACE	720		REC - LIVING	1	20	14
15	-	1	SPACE		720	REC - LIVING	1	20	16
17	-	1	SPACE	720		REC - ROOM	1	20	18
19	20	1	REC - BATHROOM		280	REC - ROOM	1	20	20
CONNECTED LOAD (VA)				8,190	8,470	16,660 VA			
CONNECTED LOAD (AMPERES)				68	71	80 A			
DEMAND LOAD (VA)									
DEMAND LOAD (AMPERES)									
AMPERE INTERRUPT RATING						10,000 AIC			
A - ARC FAULT BREAKER, GF - GROUND FAULT BREAKER									

COOK INLET HOUSING AUTHORITY
TYONEK TERRACES
Anchorage, Alaska

REVISIONS

CONSTRUCTION SET

JOB NO. 2003.028.0
DATE 06/15/03
DRAWN BAB
REVIEWED TC

ELECTRICAL
PANEL SCHEDULE

SHEET NO.
E5.2